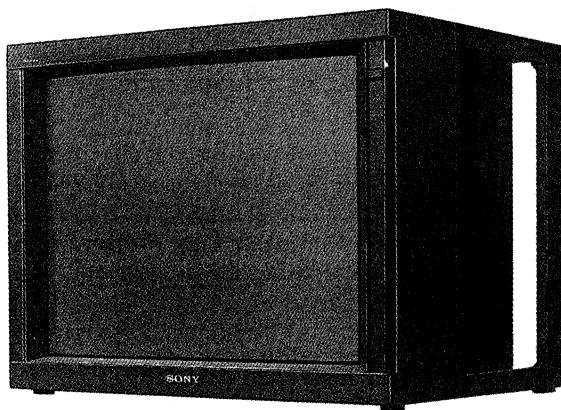


PVM-2950Q / 2950QM

RM-854

SERVICE MANUAL



US Model
Canadian Model

PVM-2950Q

Chassis No. SCC-G61E-A

AEP Model

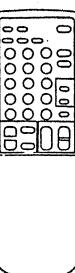
PVM-2950QM

Chassis No. SCC-G62D-A

Aus Model

PVM-2950QM

Chassis No. SCC-H03B-A



MODELS OF THE SAME SERIES

PVM-2950Q/2950QM	

SPECIFICATIONS

Video signal

Picture tube

29" Super Trinitron tube
Visible picture size : 675 mm
(27" measured diagonally)

AG pitch : 0.70 - 0.85 mm
Anti-glare & Anti-static

Color system

NTSC, PAL, SECAM, NTSC4.43, PAL60

Resolution

600 TV lines at the center

Frequency response

VIDEO : 7 MHz (-3 dB)
S VIDEO : 8 MHz (-3 dB)
RGB : 10 MHz (-3 dB)

Picture performance

Color temperature

9300K/6500K (standard)/3200K
switchable

Line pull range

Horizontal : ±500 Hz

Overscan

Vertical : -8 Hz

Zooming

7% preset (±3% variable)

Within 5%

- Continued on next page -

TRINITRON® COLOR VIDEO MONITOR
SONY®



Inputs and Outputs

VIDEO IN	BNC connector 1 Vp-p, sync negative 75-ohm (auto), loop through
Y/C IN	4-pin mini DIN connector Y : 1 Vp-p, sync negative C : 0.286 Vp-p (burst signal) (NTSC) 0.3 Vp-p (PAL) 75-ohm (auto), loop through
AUDIO IN (L, R)	Phono jack -5 dBs high impedance, loop through
R/R-Y, G/Y, B/B-Y IN	BNC connector R, G, B channels : 0.714 Vp-p,/non-composite, 75-ohm terminated (525 lines) 0.7 Vp-p,/non composite, 75-ohm terminated (625 lines) 1 Vp-p,/composite, 75-ohm terminated Y channel : 1.0 Vp-p,/composite, 75-ohm terminated 0.7 Vp-p,/non composite, 75-ohm terminated R-Y, B-Y channels : 0.7 Vp-p, 75-ohm terminated
Sync input	BNC connector H (or composite) SYNC, V SYNC, 0.5 - 5 Vp-p, 75-ohm terminated
Speaker output	8-16 ohm, 7 W + 7 W

(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

General

Power requirements	PVM-2950Q 100 - 120 V AC, 50/60 Hz, MAX. 3.7 A
	PVM-2950QM 220 - 240 V AC, 50/60 Hz, MAX. 1.2 A

Operating temperature range

0 - 35° C (32 - 95° F)

Dimensions	687×538×529 mm (w/h/d) (27 1/8×21 1/4×20 7/8 inches)
------------	---

Mass

52 kg (114 lb 10 oz)

Supplied accessories

AC power cord (1)
AC plug holder (1)

Remote commander RM-854 with a battery (1)

Optional accessories

Speaker system SS-X6A

TV tuner ST-92TV (USA only)

Design and specifications are subject to change without notice.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURTCIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINT SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE.

LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES remplacer que par des composants SONY dont le numero de piece est indique dans le present manuel ou dans des suppléments publiés par SONY. LES REGLAGES DE CIRCUIT dont l'importance est critique pour la sécurité du fonctionnement sont identifiées dans le présent manuel. suivre ces procédures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement est suspecté.

SAFETY CHECK-OUT

(US model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

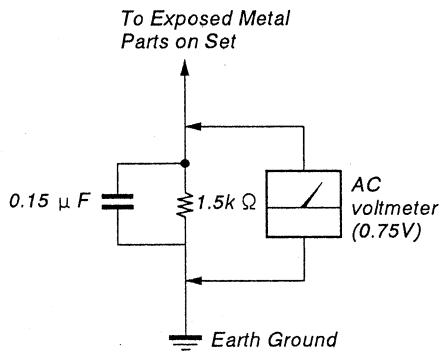


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microamps). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

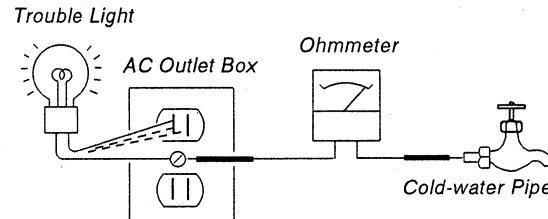


Fig. B. Checking for earth ground.

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SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Features

Trinitron picture tube

The Trinitron picture tube provides a flat and high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture.

Four color systems available

The monitor can display NTSC, PAL*, SECAM, NTSC_{4.43}** signals. The appropriate color system is selected automatically.

* If you set PAL to ON in the menu, the monitor can also display the PAL60 signal.

**The NTSC_{4.43} signal is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

Index number

You can operate a specific monitor among several monitors by using the index number features.

On-screen menus

You can adjust the settings by using the on-screen menus.

Control S

The CONTROL S signal allows remote control of several monitors and a VCR through a single monitor.

Blue only mode

In this mode, only a blue signal is displayed on the screen turning off the red and green signals. This facilitates color saturation and phase adjustments.

RGB/component input connectors

RGB or component (Y,R-Y,B-Y) signals from video equipment can be input through these connectors.

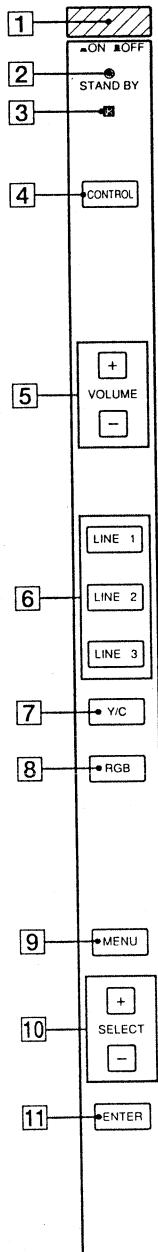
Y/C input connector

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

This manual covers PVM-2950Q and PVM-2950QM. The model number is located on the rear.
The operating procedures of all models are the same.

Location and function of parts and controls

Front panel



1 POWER switch

Press to turn the monitor on. Press again to turn it off.

2 STANDBY indicator

Lights up when the monitor is turned off with the remote commander.

3 Remote sensor

Receives the beam from the remote commander.

4 CONTROL key

To operate the keys on the front panel, first press this key. Then the keys light up or flash that shows they can be operated. Press again to deactivate them.

5 VOLUME +/- keys

Press to obtain the desired volume.

6 LINE 1, LINE 2, LINE 3 keys*

Press to select the line inputs.

7 Y/C key*

Press to select the Y/C input of LINE 1 or LINE 2.

8 RGB key*

Press to select the RGB input of LINE 3.

9 MENU key

Press to make the menu appear or to go to the following menu.

10 SELECT +/- key

Press to move the cursor (►) to an item or to adjust value in a menu.

11 ENTER key

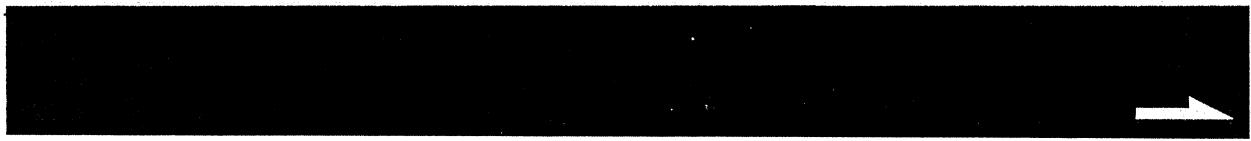
Press to select the desired item in a menu.

* Each key acts as follows.

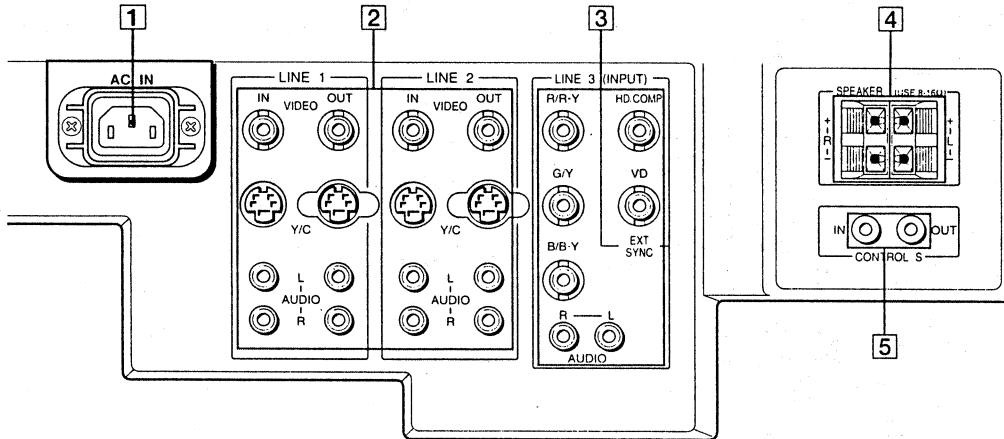
CONTROL	On	Off
Selected key	Flash	Light up
Not selected key	Light up	Light off

Note

If the picture disappears suddenly and the STAND BY indicator flashes, there may be a failure in the monitor. Unplug the unit and call your authorized Sony dealer.



Rear panel



[1] AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

[2] LINE 1, LINE 2 connectors

VIDEO IN (BNC)

Connect to the video output of video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.

Y/C IN (4-pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

Y/C OUT (4-pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.

AUDIO IN (phono)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

AUDIO OUT (phono)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

[3] LINE 3 connectors

R/R-Y IN, G/Y IN, B/B-Y IN (BNC)

When the RGB input is selected (RGB key on the front panel is lit), connect to the RGB signal outputs of a video camera. When the R-Y, G-Y, B-Y input is selected (RGB key is not lit), connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera.

HD/COMP (BNC)

Connect to the H sync signal or composite sync signal output.

VD (BNC)

Connect to the V sync signal output.

Note

External sync signal is selected automatically. See the priority chart below.

Input connector	Input sync signals		
HD/COMP	H Sync	Comp Sync	—
VD	V Sync	—	—
G	Sync on G	Sync on G	Sync on G
Sync signals to be selected	H Sync V Sync	Comp Sync	Sync on G

AUDIO IN (phono)

Connect to the audio output of a VCR.

[4] SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohms impedance.

Note

Do not connect the speaker's cord to the monitor and to an amplifier simultaneously, or an excessive electric current might flow from the amplifier and damage the monitor.

[5] CONTROL S IN/OUT connectors

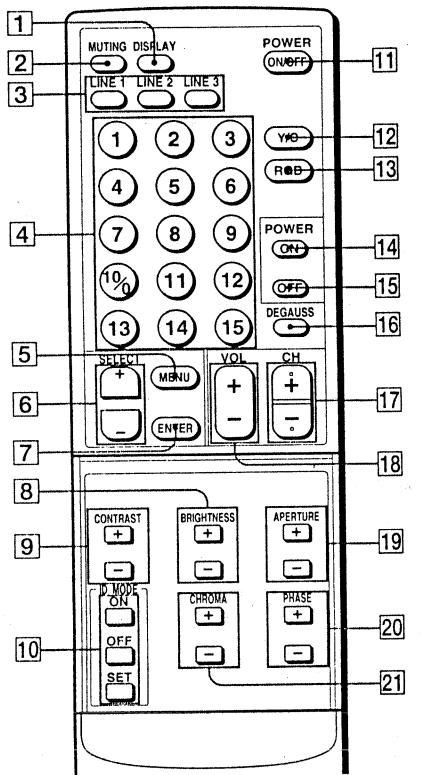
Connect to the CONTROL S connectors of a VCR or several monitors. Then you can control the system with a single remote commander.

Note

If you connect CONTROL S IN to the other equipment's CONTROL S OUT connector, you cannot operate the monitor with the supplied remote commander.

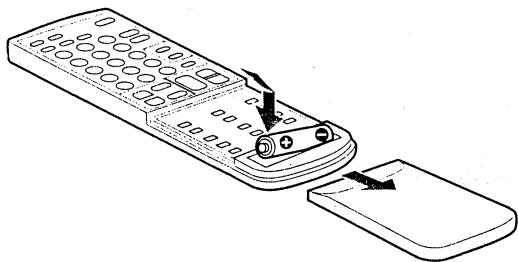
Location and function of parts and controls (continued)

Remote commander



Installing battery

Insert a size AA (R6) battery in correct polarity.



Notes

- In normal operation, a battery will last up to half a year. If the remote commander does not operate properly, the battery might be exhausted. Replace it with new one.
- To avoid damage from possible battery leakage, remove the battery if you do not plan to use the remote commander for a fairly long time.

1 DISPLAY button

Press to display the color system and the selected line input.

2 MUTING button

Press to mute the sound.

3 LINE 1/LINE 2/LINE 3 buttons

Press to choose the line input.

4 Number buttons

Press to select the index number. Cannot use the ⑪ to ⑯ buttons with the monitor.

5 MENU button

Press to make the menu appear or to go to the following menu.

6 SELECT +/- buttons

Press to move the cursor (▶) to an item or to adjust value in a menu.

7 ENTER button

Press to select the desired item in a menu.

8 BRIGHTNESS +/- buttons

Press the + button to make the picture brighter or the - button to make it darker.

9 CONTRAST +/- buttons

Press the + button to increase the contrast or the - button to decrease it.

10 ID MODE buttons

Press ON to make an index number appear on the screen. Then press the index number of the monitor you want to operate and press SET. After you finish the operation, press OFF to return to the normal mode.

11 POWER ON/OFF button

Press to turn on the monitor. Press again to turn it off.

12 Y/C button

Press to select the Y/C input of LINE 1 or LINE 2.

13 RGB button

Press to select the RGB input of LINE 3. If you do not press this button (RGB key is not lit), the component input is selected on LINE 3.

14 POWER ON button

Press to turn on the monitor. Use this button instead of the POWER ON/OFF button when you do not want to let another monitor be affected.

15 POWER OFF button

Press to turn off the monitor. Use this button instead of the POWER ON/OFF button when you do not want to let another monitor be affected.

Power sources

16 DEGAUSS button

Press to demagnetize the screen. Wait for 10 minutes or more before activating this feature again. The same interval is needed after turning on the monitor.

17 CH +/- buttons

(Cannot use these buttons with the monitor.)

18 VOL +/- buttons

Press to obtain the desired volume.

19 APERTURE +/- buttons

Press the + button for more sharpness or the - button for less sharpness. (This adjustment has no effect on the pictures of RGB signals.)

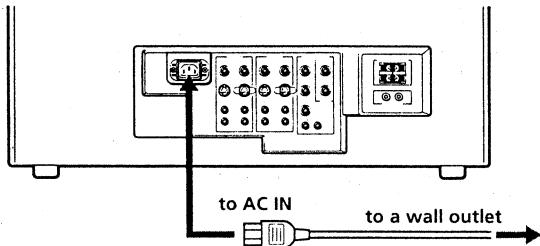
20 PHASE +/- buttons

Press the + button to make the skin tones greenish or the - button to make them purplish. (NTSC signal only)

21 CHROMA +/- buttons

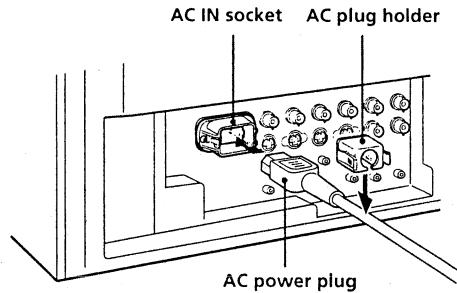
Press the + button to increase the color intensity and the - button to decrease it. (This adjustment has no effect on the pictures of RGB signals.)

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.

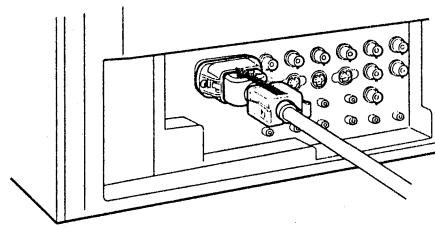


To connect an AC power cord securely with an AC plug holder

- 1 Plug the power cord into the AC IN socket. Then, attach the AC plug holder (supplied) to the AC power cord.



- 2 Slide the AC plug holder over the cord until it connects to the attached holder.



To remove the AC power cord

Squeeze the left and right sides and pull out the AC plug holder.

Using on-screen menus

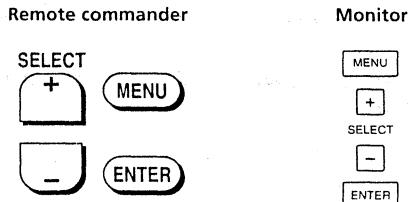
Operating through menus

There are four buttons (keys) on the monitor and the remote commander for menu operations.

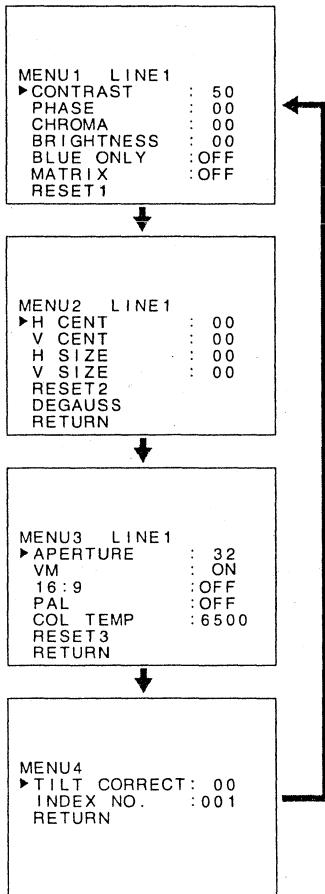
To display a menu, first press MENU. Press + or - to move the cursor (►) and press ENTER to select an item.

To return to the normal screen, press the selected line input button (key).

Menu operating buttons



Each time you press MENU, the screen changes as shown below. For details see the following guide.



Menu guide

You can adjust the picture for each line input. Select the line input by pressing the line input button (key) before making adjustments.

The items on Menu 4 are common for all line inputs.

Menu 1

1	MENU1 LINE 1
2	▶ CONTRAST : 50
3	PHASE : 00
4	CHROMA : 00
5	BRIGHTNESS : 00
6	BLUE ONLY : OFF
7	MATRIX : OFF
	RESET1

1 CONTRAST

Press + to increase the contrast and press - to decrease it.

2 PHASE

Press + to make the skin tones greenish and press - to make them purplish. (NTSC signal only)
(Set MATRIX to OFF when adjusting this item.)

3 CHROMA

Press + to increase the color intensity and press - to decrease it.
(Set MATRIX to OFF when adjusting this item.)

4 BRIGHTNESS

Press + to make the picture brighter and press - to make it darker.

5 BLUE ONLY

Select ON to turn off the red and green signals. Only a blue signal is displayed on the screen. This facilitates "chroma" and "phase"(NTSC signal only) control adjustments.

6 MATRIX

Select ON to activate the matrix circuit that may correct skin tones. (NTSC signal only)

7 RESET1

Select to restore the factory settings in MENU 1.

Menu 2

8	MENU2 LINE1	: 00
9	H CENT	: 00
10	V CENT	: 00
11	H SIZE	: 00
12	V SIZE	: 00
13	RESET2	
14	DEGAUSS	
	RETURN	

⑧ H CENT

Adjusts the horizontal centering. Press + to move the picture to the right and press - to move it to the left.

⑨ V CENT

Adjusts the vertical centering. Press + to move the picture up and press - to move it down.

⑩ H SIZE

Adjusts the horizontal picture size. Press + to enlarge the horizontal size and press - to diminish it.

⑪ V SIZE

Adjusts the vertical picture size. Press + to enlarge the vertical size and press - to diminish it.

⑫ RESET2

Select to restore the factory settings in MENU 2.

⑬ DEGAUSS

Select to demagnetize the screen. Wait for 10 minutes or more before activating this feature again. The same interval is needed after turning on the monitor.

⑭ RETURN

Select to return to the MENU 1 screen.

Menu 3

15	MENU3 LINE1	: 32
16	APERTURE	: ON
17	VM	: OFF
18	16:9	: OFF
19	PAL	: OFF
20	COL TEMP	: 6500
21	RESET3	
	RETURN	

⑮ APERTURE

Adjusts the picture sharpness. Press + for more sharpness or press - for less sharpness. (This adjustment has no effect on the pictures of RGB signals.)

⑯ VM

Select ON to emphasize sharpness and to reproduce a clear picture. (This adjustment has no effect on the pictures of RGB signals.)

⑰ 16:9

Select ON for a 16:9 picture signal.

⑱ PAL

Select ON when the monitor does not recognize the PAL signal. (You must select ON when the PAL60 signal is input.)

⑲ COL TEMP

Select the color temperature from among 9300K, 6500K and 3200K.

⑳ RESET3

Select to restore the factory settings in MENU 3.

㉑ RETURN

Select to return to the MENU 2 screen.

Menu 4

22	MENU4	: 00
23	TIILT CORRECT	: 00
24	INDEX NO.	: 001
	RETURN	

㉒ TIILT CORRECT

Adjusts the picture tilt due to the influence of the earth's magnetism. Press + to rotate the picture clockwise and press - to rotate it counterclockwise.

㉓ INDEX NO.

Sets the index number of the monitor. You cannot set the number with the remote commander. Use the keys on the monitor. For more information about the index number, see "Operating a specific monitor with the remote commander."

㉔ RETURN

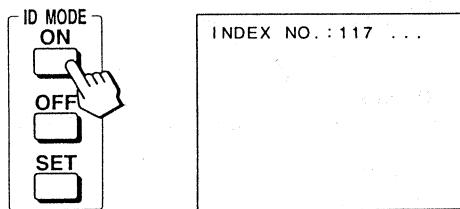
Select to return to the MENU 3 screen.

Operating a specific monitor with the remote commander

By following procedure, you can operate a specific monitor with the remote commander without affecting other monitors that are installed together.

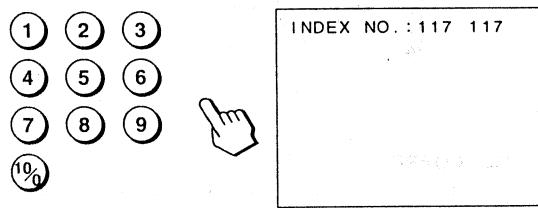
1 Press ID MODE ON on the remote commander.

Monitor index numbers appear in white characters on all the monitors. (Every monitor has its own index number from 1 to 255 as factory preset.)



2 Input the index number of the monitor you want to operate using 0 – 9 buttons of the remote commander.

The input number appears right next to each monitor's own index number.



3 Press ID MODE SET.

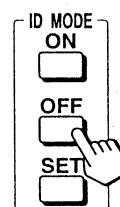
The character on the selected monitor changes to cyan while others change to red.



Now you can operate only a specified monitor. (All operations available in ID mode except POWER ON/OFF.)

4 After necessary adjustment, press ID MODE OFF.

The monitor returns to the normal mode.



To change the index number

You can change the index number if necessary. You cannot change the number with the remote commander. Use the keys on the monitor.

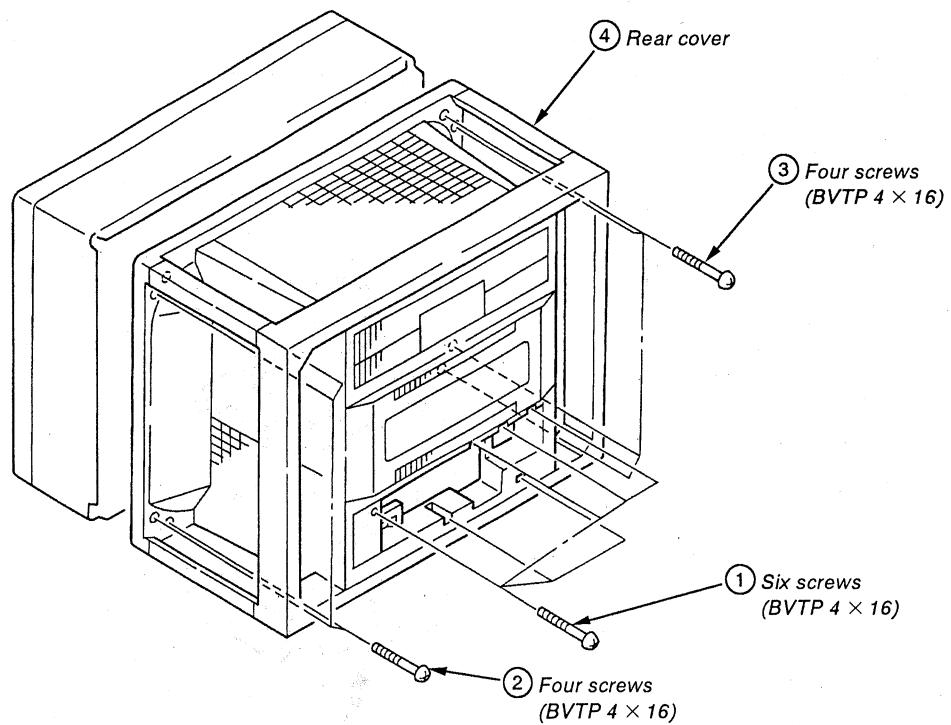
1 Display MENU 4 screen with pressing the MENU button.

2 Select INDEX NO. and press ENTER.

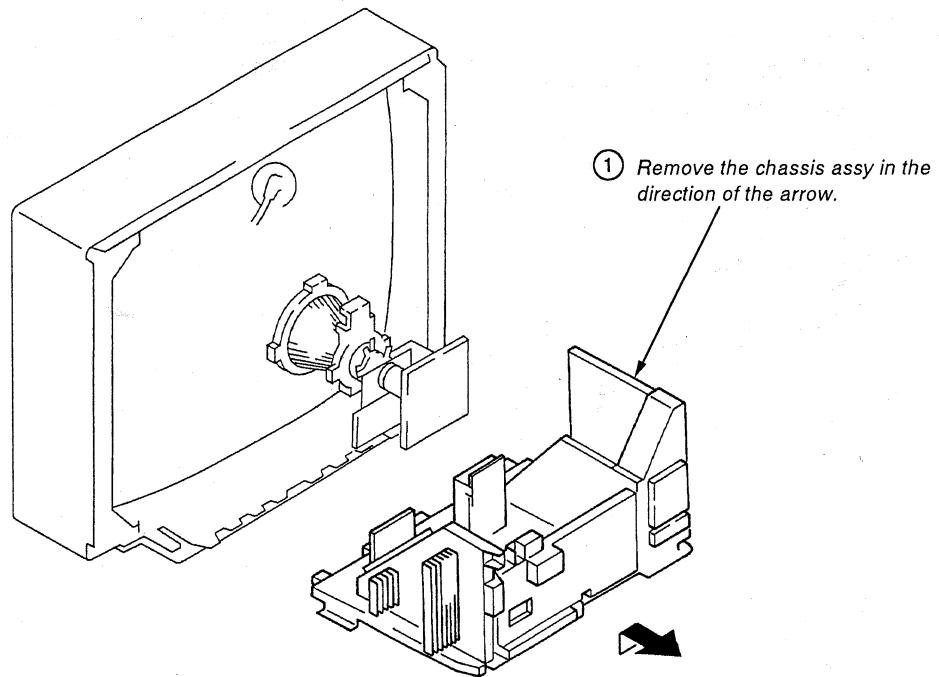
3 Select the index number with the SELECT +/− buttons and press ENTER.

SECTION 2 DISASSEMBLY

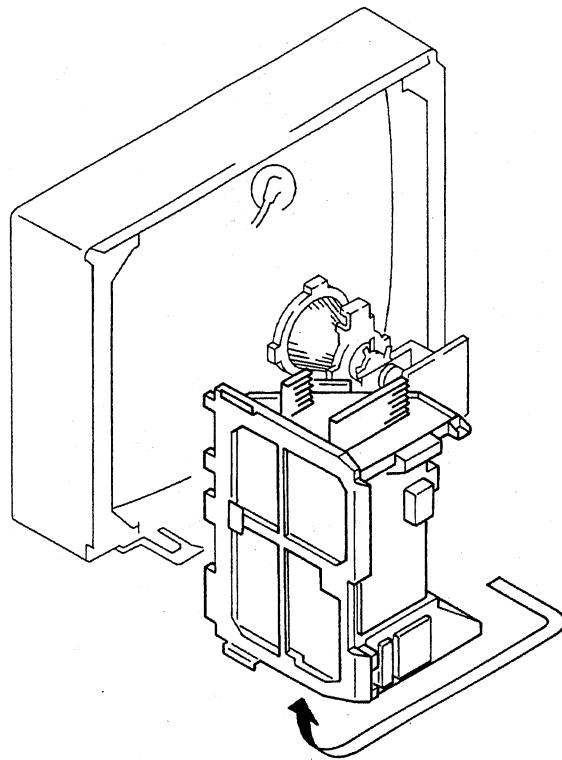
2-1. REAR COVER REMOVAL



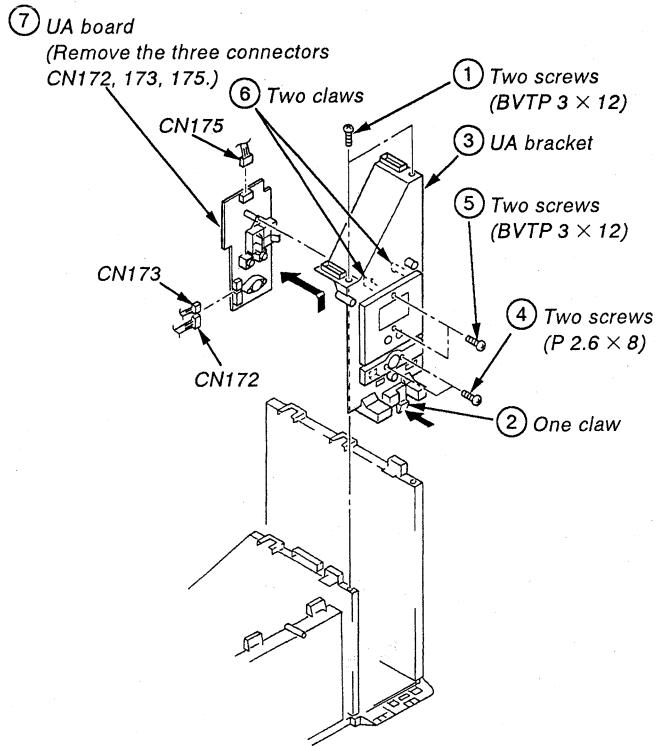
2-2. CHASSIS ASSY REMOVAL



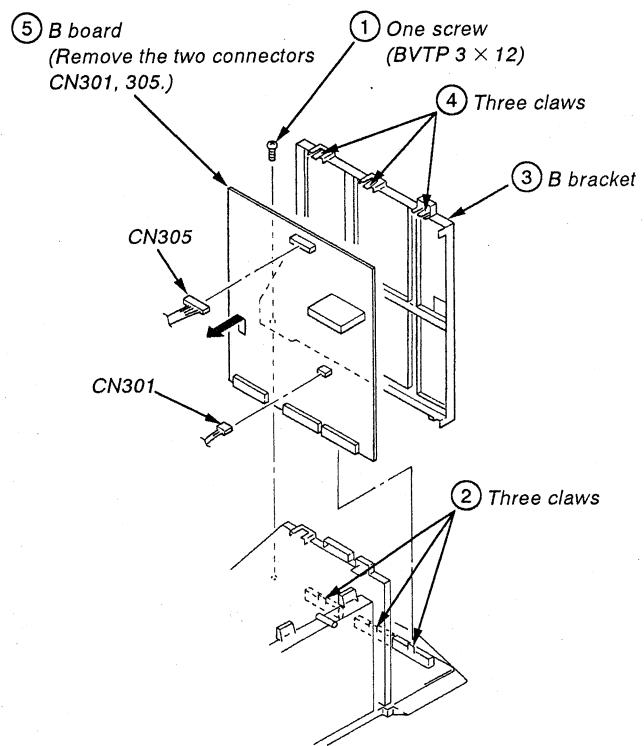
2-3. SERVICE POSITION



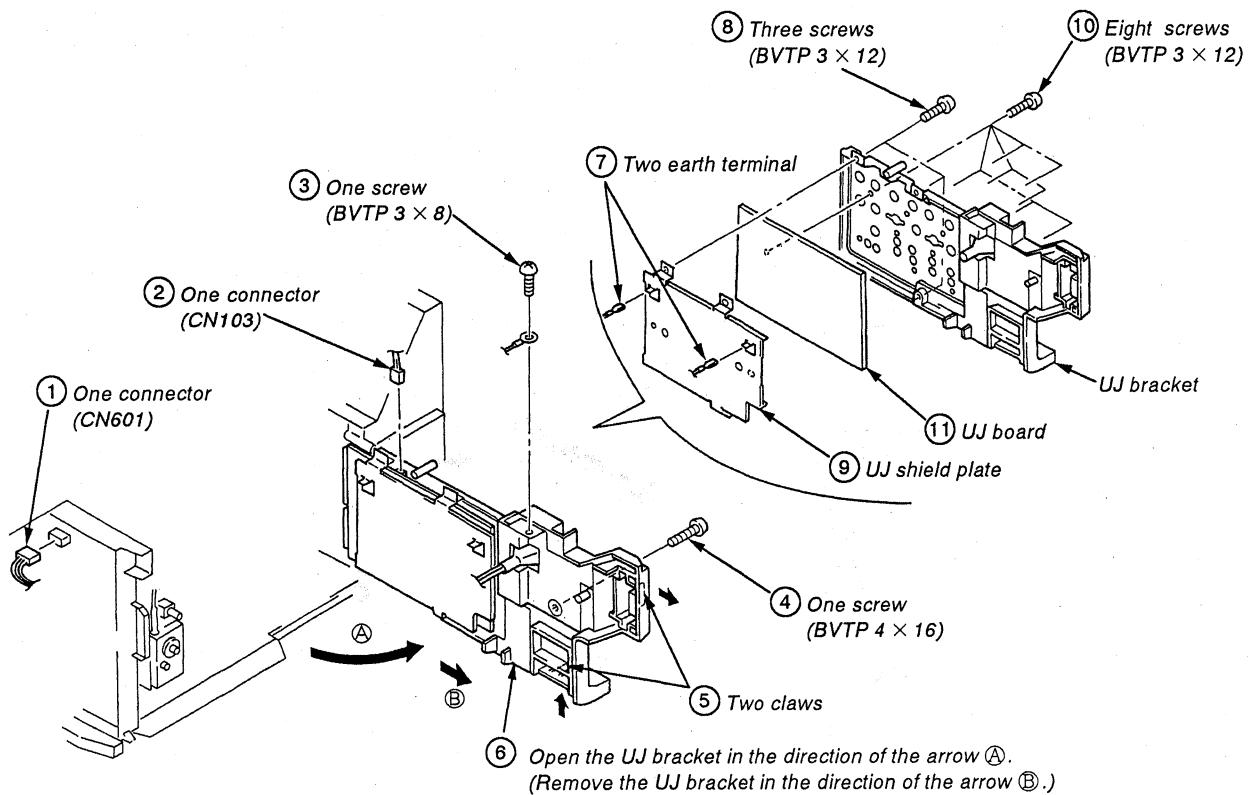
2-4. UA BOARD REMOVAL



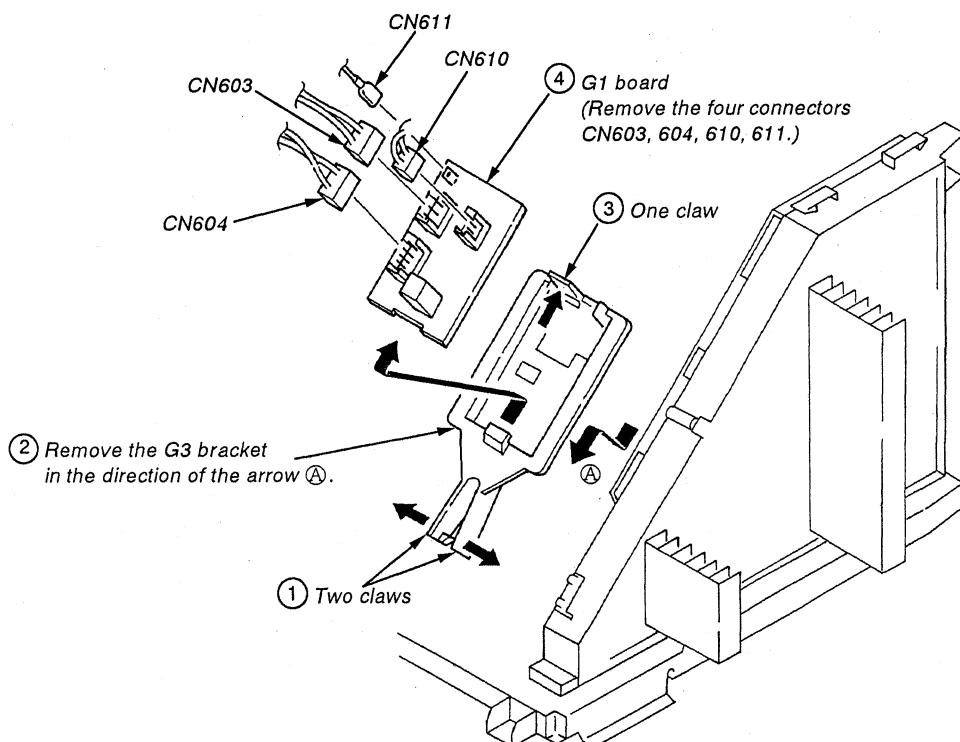
2-5. B BOARD REMOVAL



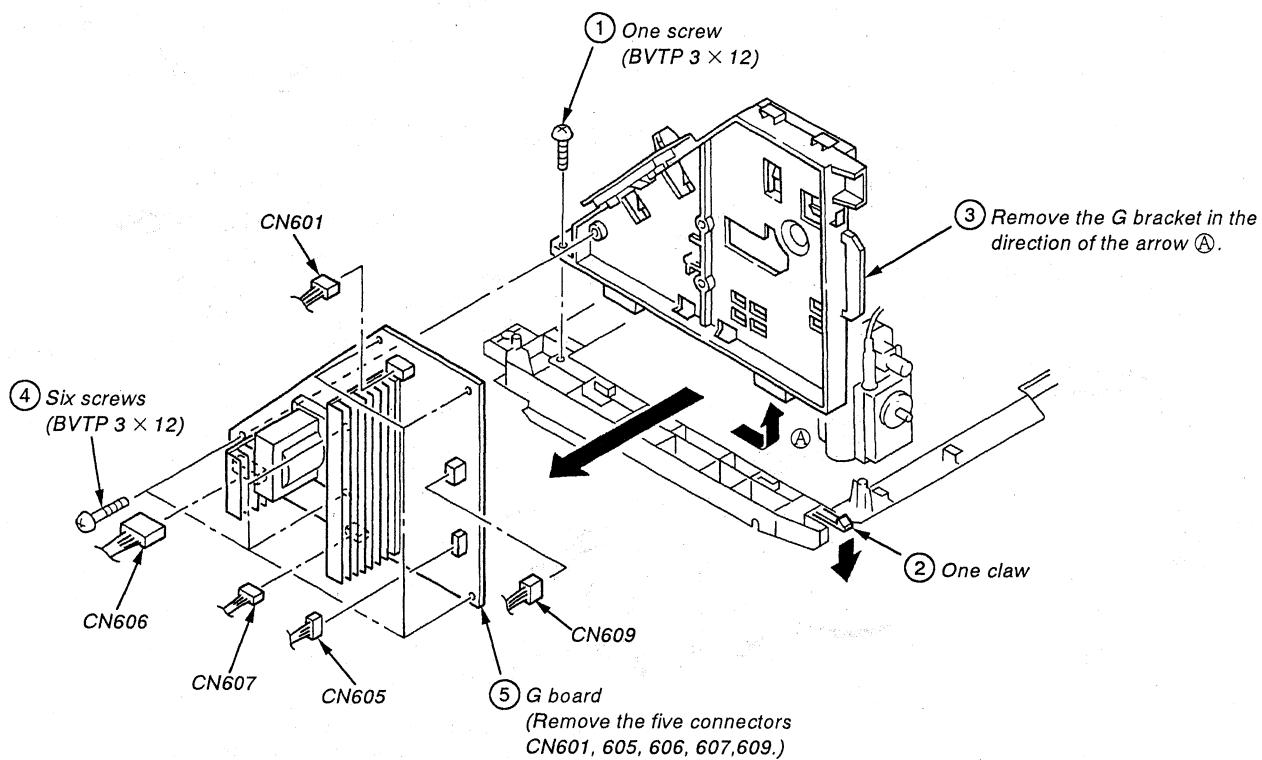
2-6. UJ BOARD REMOVAL



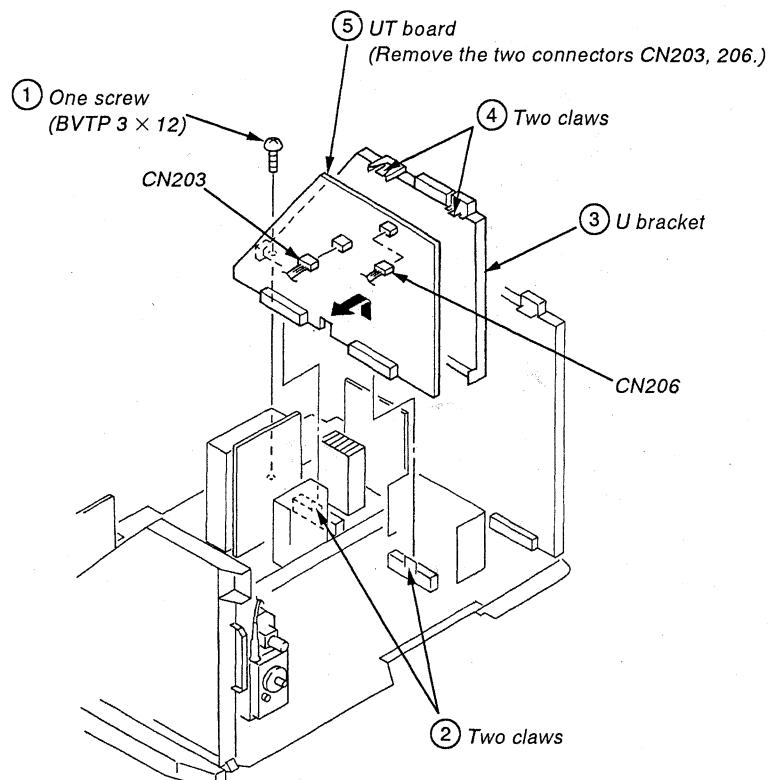
2-7. G1 BOARD REMOVAL



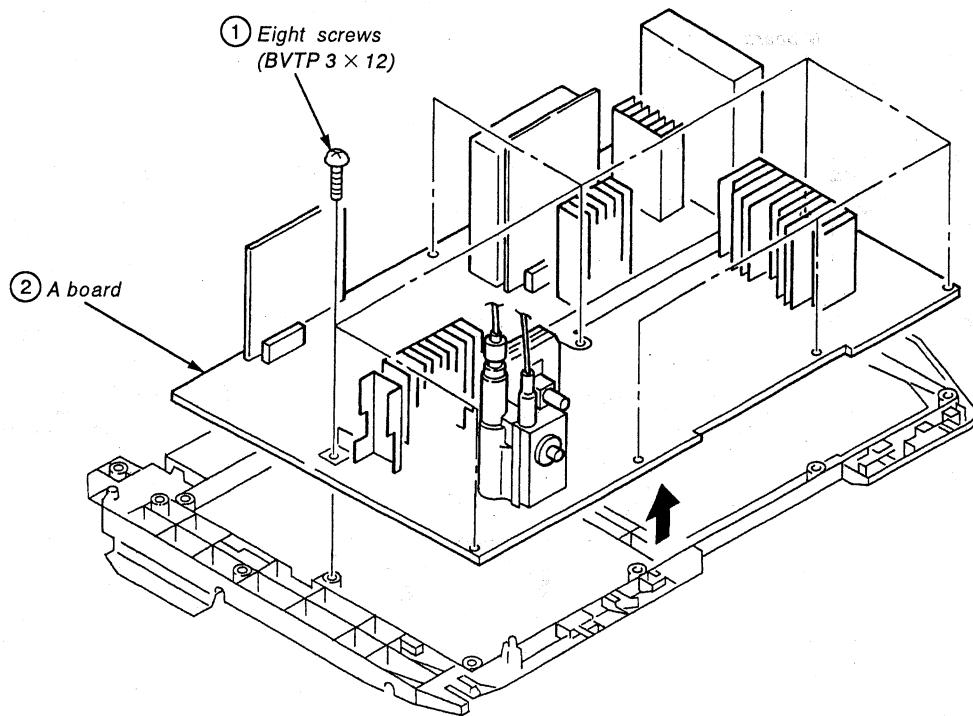
2-8. G BOARD REMOVAL



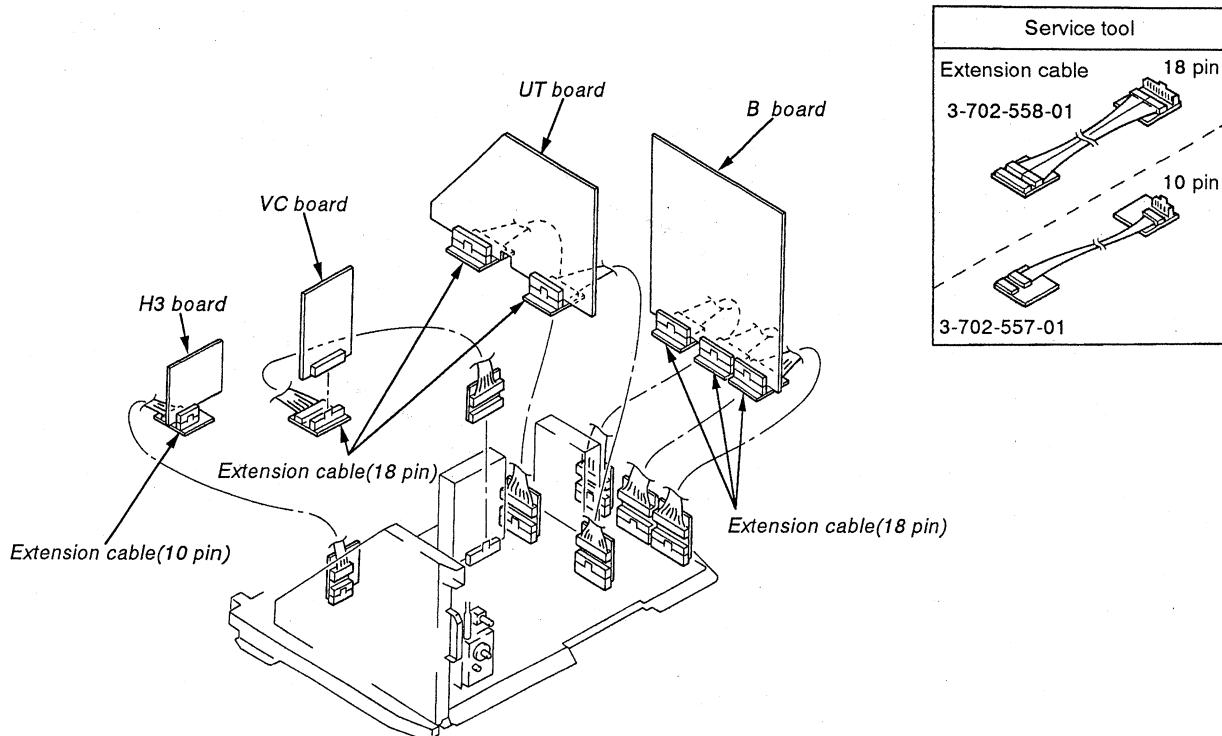
2-9. UT BOARD REMOVAL



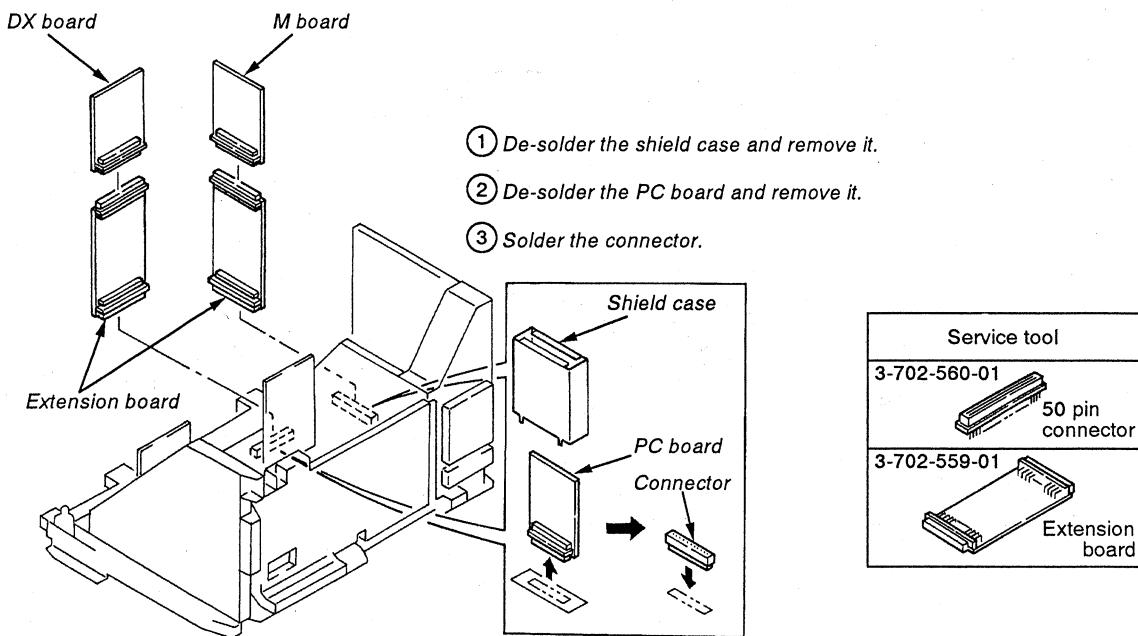
2-10. A BOARD REMOVAL



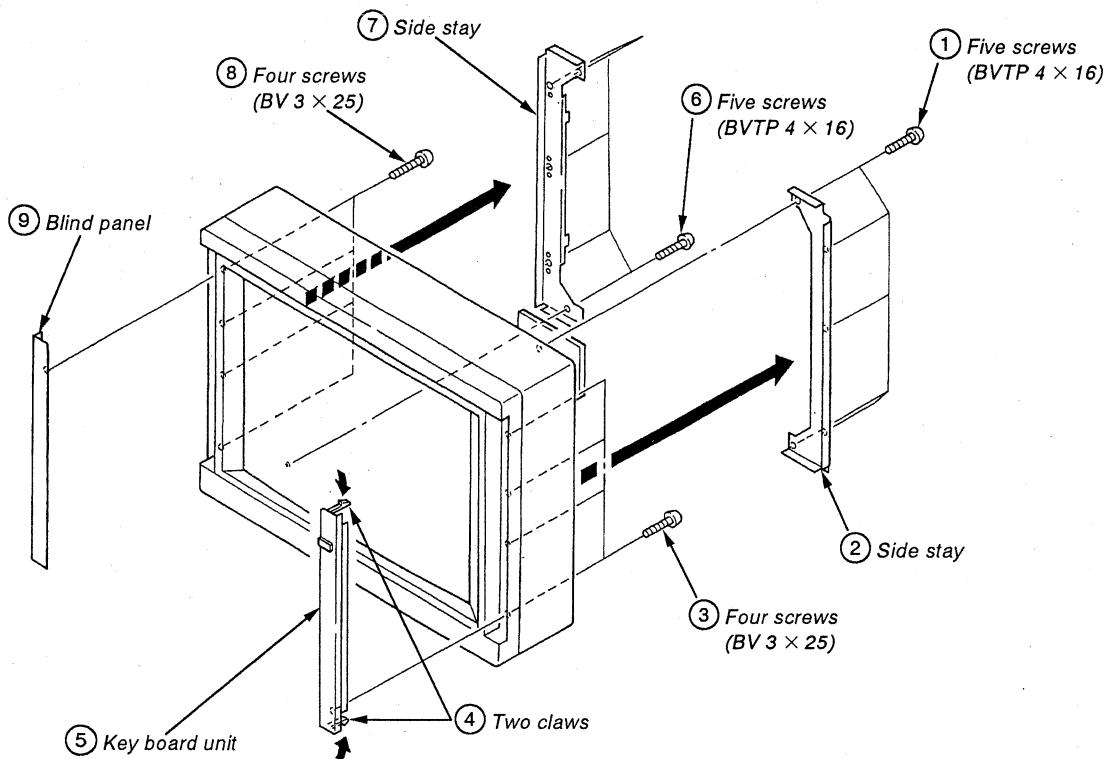
2-11. EXTENSION CABLE



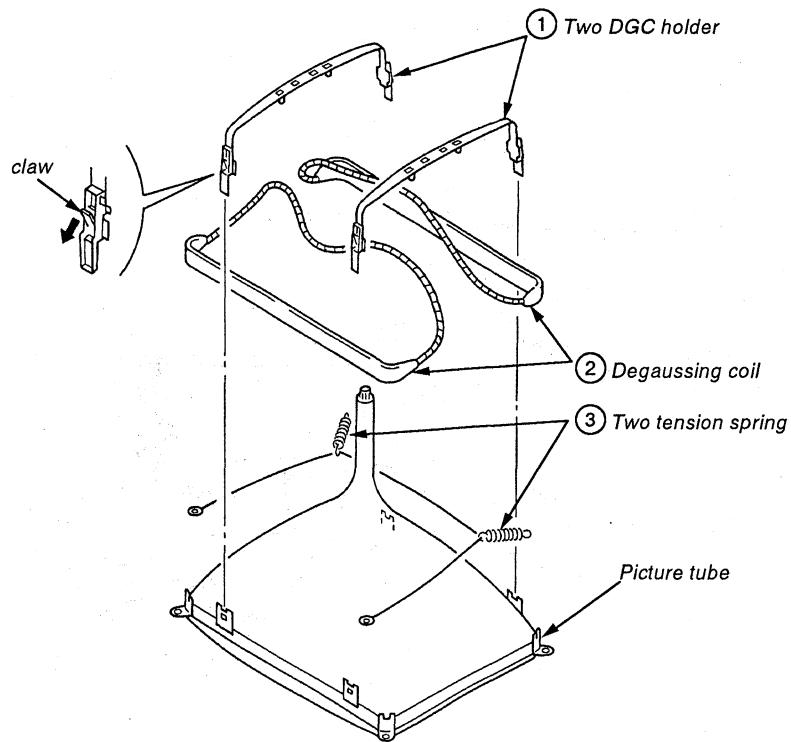
2-12. EXTENSION BOARD



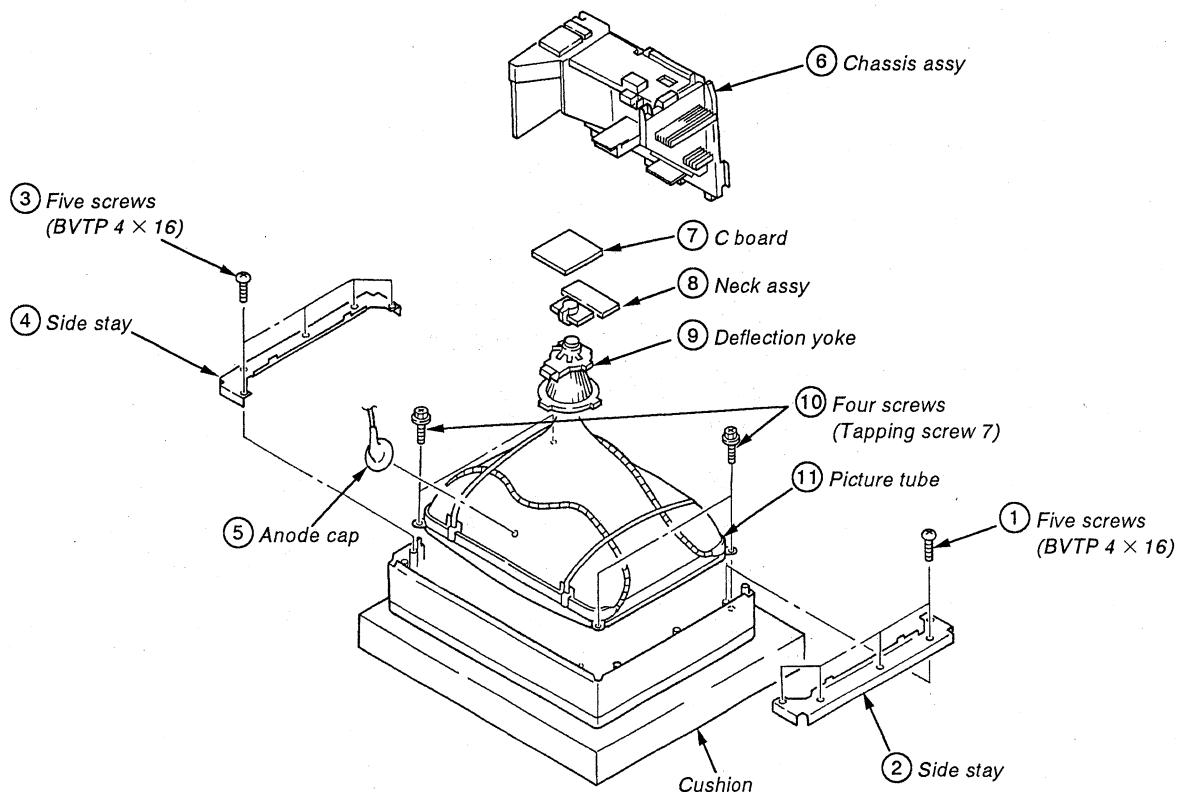
2-13. KEY BOARD UNIT AND BLIND PANEL REMOVAL



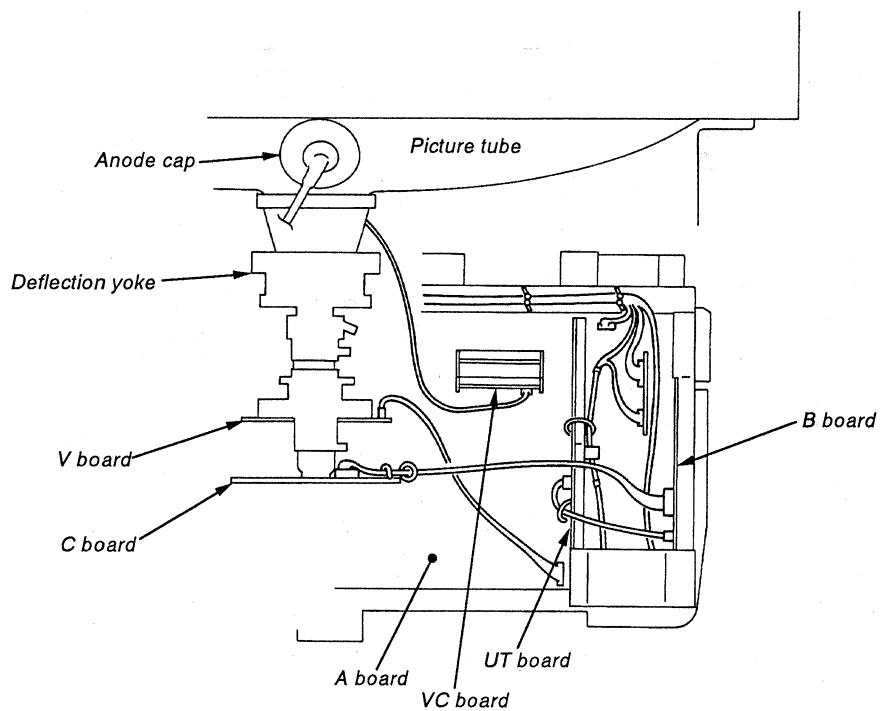
2-14. DEGAUSSING COIL REMOVAL



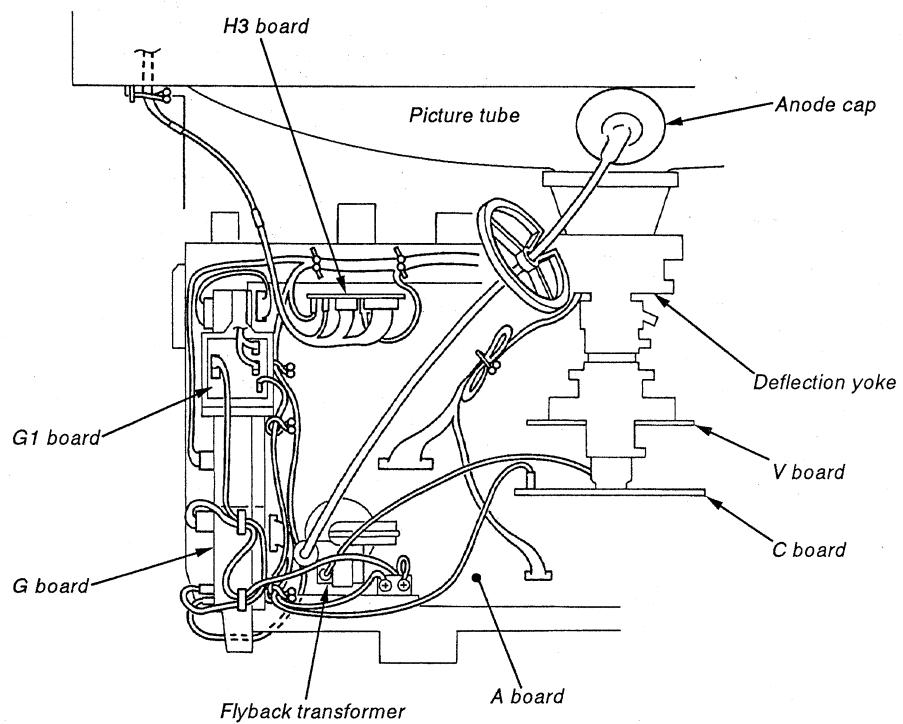
2-15. PICTURE TUBE REMOVAL



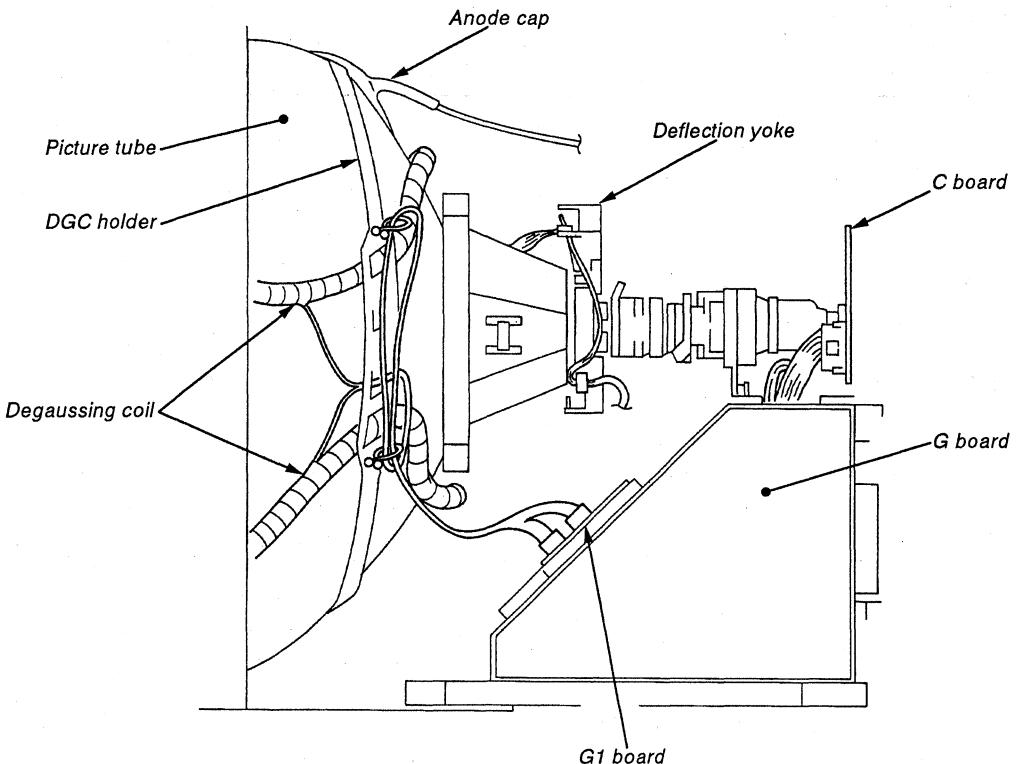
2-16. HARNESS LOCATION
(1)TOP VIEW(RIGHT)



(2)TOP VIEW(LEFT)



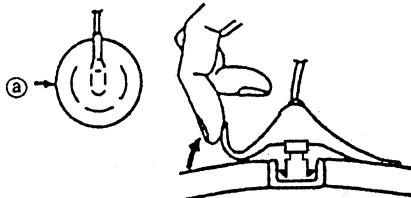
(3) LEFT SIDE VIEW



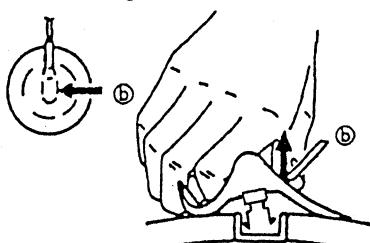
• REMOVAL OF ANODE-CAP

Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

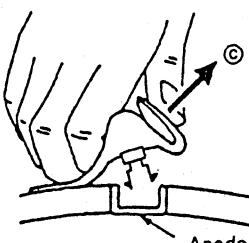
• REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow Ⓐ.



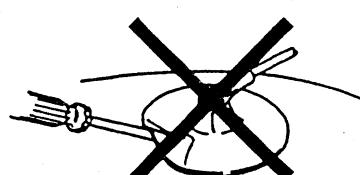
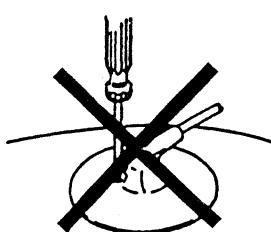
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow Ⓑ.



③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow Ⓒ.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SET-UP ADJUSTMENTS

- Carry out the following adjustments when readjustment is required or when attaching a new picture tube.
- These adjustments should be carried out at rated power supply voltage unless otherwise specified.

Controls and switches should be set in standard position as listed below unless otherwise specified.

Contrast Standard
Brightness Standard

3-1. BEAM LANDING

Preparations

1. Face the picture tube screen of the set in an eastward or westward direction to reduce the influence of earth magnetism.
2. Turn the power switch on the set to ON to carry out demagnetizing.

(1) Adjustment of the Y separation axis correction magnet.

1. Receive the image of the crosshatch.
2. Adjust the picture to minimum and the brightness to standard.
3. Secure the neck assembly to the position shown in the figure (Fig. 3-2).
4. Move the DY until it comes in contact with the CRT and set it in an upright position.
5. Open and close the Y separation axis correction magnet on the neck assembly until there is up-down symmetry and adjust so that the upper and lower pins are symmetrical.
6. Return the DY to the original position.

Carry out adjustments in the following order.

- 3-1 Landing adjustment (Beam Landing)
- 3-2 Convergence adjustment
- 3-3 Focus adjustment
- 3-4 White balance adjustment

Note: Instruments used

1. Color bar/pattern generator
2. Degausser

(2) Landing

1. Receive the all-white signal of the pattern generator, adjusting the picture to maximum and the brightness to a level that is easy to view.
2. Carry out rough adjustment of the focus and horizontal convergence.
3. Loosen the retention device on the deflection yoke and adjust the purity adjustment knob in the center (Fig. 3-1).
4. Switch the pattern generator to the single color green.
5. Slide the deflection yoke to the back so that the center of the screen is green and use the purity magnet to achieve left-right symmetry (Fig. 3-3).
6. Slide the deflection yoke to the front so that the entire screen is the single color green.
7. Switch the pattern generator to the single colors red and blue and confirm that landing has been obtained.
8. Secure the retention device once the deflection yoke position has been determined.
9. If landing has not been obtained in the corner section, use the magnet to make corrections (Fig. 3-4).

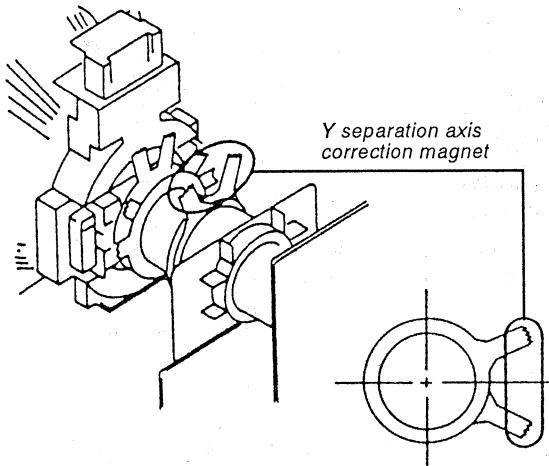
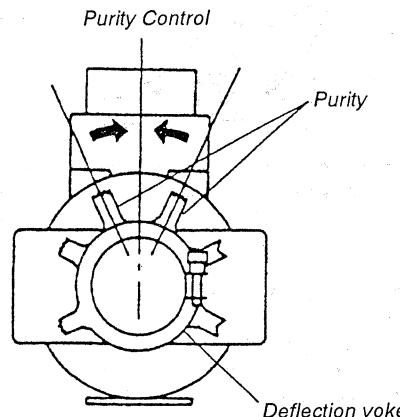


Fig. 3-1



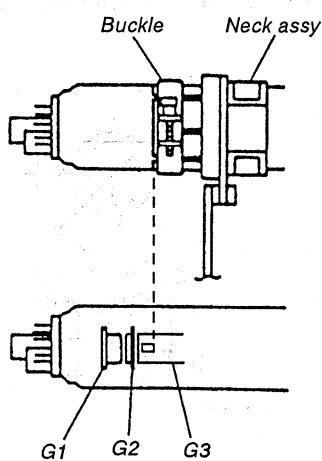


Fig. 3-2

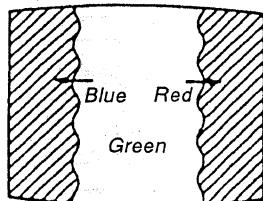


Fig. 3-3

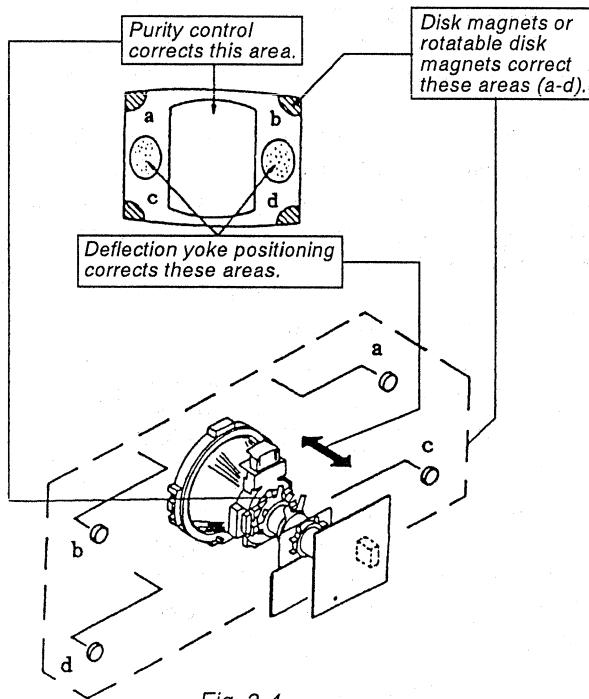


Fig. 3-4

3-2. CONVERGENCE ADJUSTMENT

(1) Screen Center Convergence Adjustment

(Static Convergence)

1. Receive the dot signal and adjust the picture to standard.
2. Use the horizontal static convergence knob to arrange the red, green and blue dots on top of each other in a horizontal direction in screen center.
3. Use the vertical static convergence magnet to arrange the red, green and blue dots on top of each other in a vertical direction in screen center.

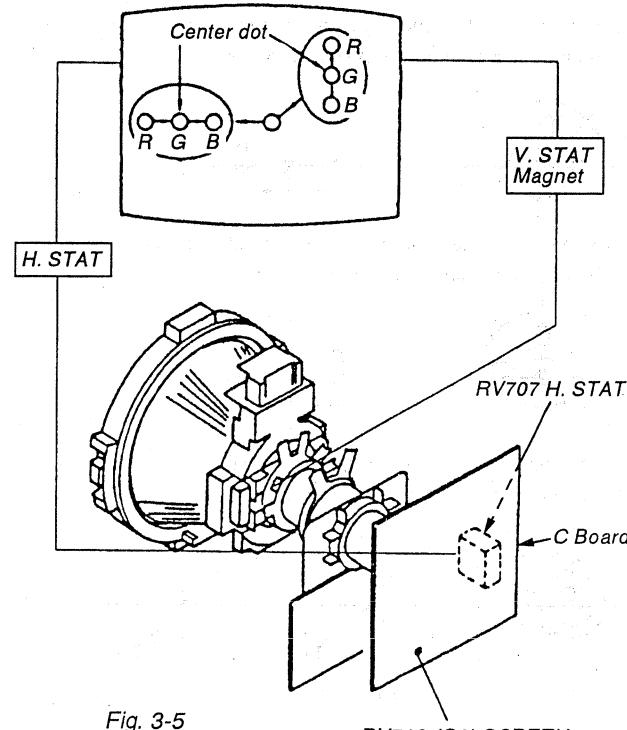


Fig. 3-5

※ If the dots do not become arranged in a horizontal direction within the adjustment range for the horizontal static convergence knob, simultaneously use the vertical static convergence magnet to adjust while taking tracking.
(Incline the vertical static convergence and adjust by opening and closing the knob.)

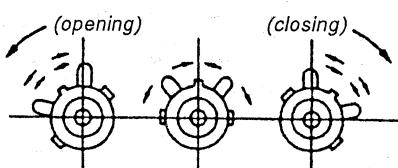


Fig. 3-6

4. Movement of the red, green and blue dots by inclination and opening/closing of the vertical static convergence magnet.

(1) Movement when opening and closing the vertical static convergence magnet.

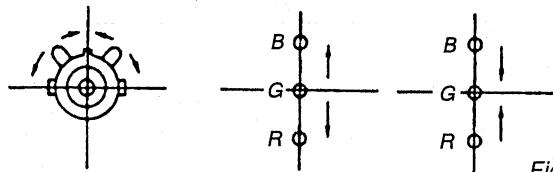


Fig. 3-7

(2) Movement when inclining the vertical static convergence magnet in a counter-clockwise direction.

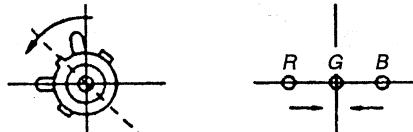


Fig. 3-8

(3) Movement when inclining the vertical static convergence magnet in a clockwise direction.

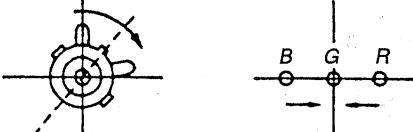


Fig. 3-9

(4) Movement when inclining the vertical static convergence magnet and opening and closing.

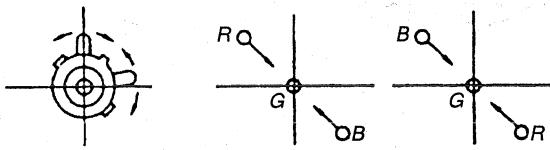


Fig. 3-10

* If the blue dots do not line up in relation to the red and green dots, correct with the BMC (6-pole) magnet.

5. Correction of HMC (horizontal misconvergence) and VMC (vertical misconvergence) with the BMC (6-pole) magnet.

(1) HMC correction with the BMC (6-pole) magnet and movement of the electron beam.

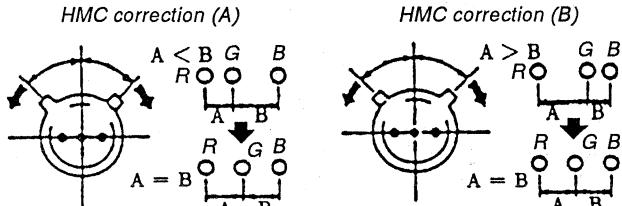
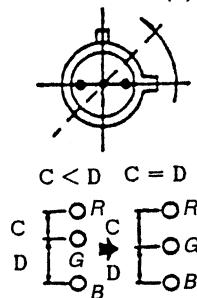


Fig. 3-11

(2) VMC correction with the BMC (6-pole) magnet and movement of the electron beam.

VMC correction (A)



VMC correction (B)

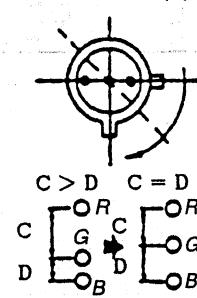


Fig. 3-12

Position of the knob

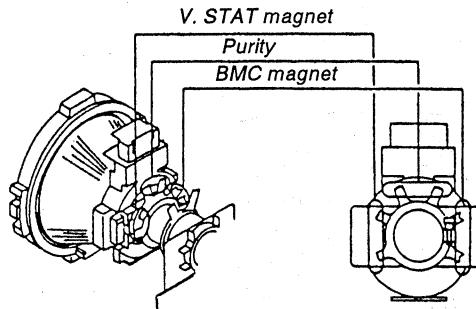


Fig. 3-13

(2) Convergence Adjustment on the Screen Periphery (Dynamic Convergence)

1. Use the horizontal static convergence VR (H.STAT) to adjust the convergence in a horizontal direction in screen center.

2. Change to the service mode and carry out the following dynamic convergence adjustments.

(Service Mode : Use the remote control to press the following buttons in succession : [Screen display] → [CH5] → [Volume +] → [Power].

please refer to page 27 for selecting the item on how to adjust the dynamic convergence.

	Adjustment Items	Adjustment Range
01	DC SHIFT (H. STAT)	000-063
02	H. AMP	000-063
03	H. TILT	000-063
04	UP. Y. BOW	000-063
05	UP. C. BOW	000-063
06	UP. TILT	000-063
07	LO. Y. BOW	000-063
08	LO. C. BOW	000-063
09	LO. TILT	000-063

3. Press [1] and [4] on the remote control to select the items. Adjust with the [3] and [6] buttons.

1) Y.BOW adjustment on the upper side of the screen (UP.Y.BOW).

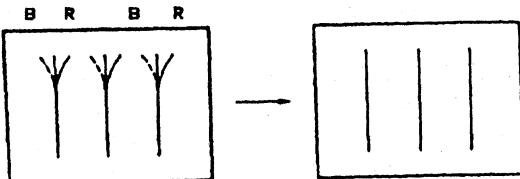


Fig. 3-14

2) Y.BOW adjustment on the lower side of the screen (LO.Y.BOW)

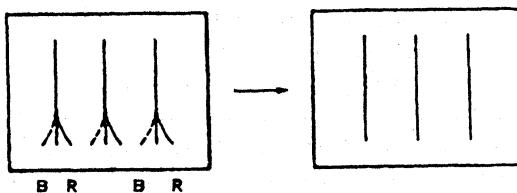


Fig. 3-15

3) H.AMP adjustment (HAMP).

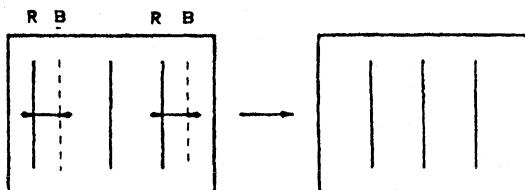


Fig. 3-16

4) TILT adjustment (HTLT)

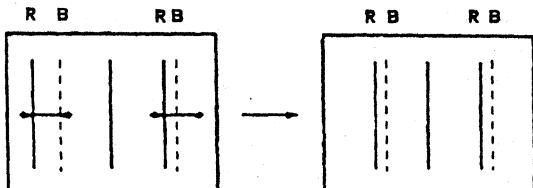


Fig. 3-17

5) C.BOW adjustment on the upper side of the screen (UP.C.BOW).

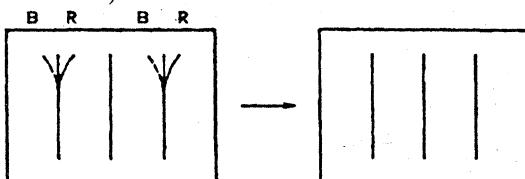


Fig. 3-18

6) TILT adjustment on the upper side of the screen (UP.TILT).

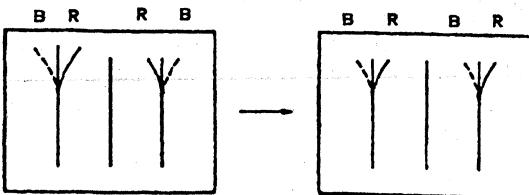


Fig. 3-19

7) C.BOW adjustment on the lower side of the screen (LO.C.BOW).

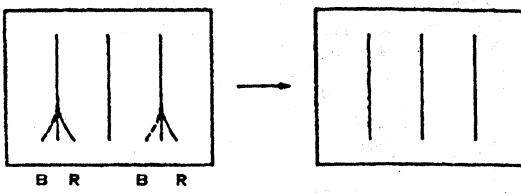


Fig. 3-20

8) TILT adjustment on the lower side of the screen (LO.TILT).

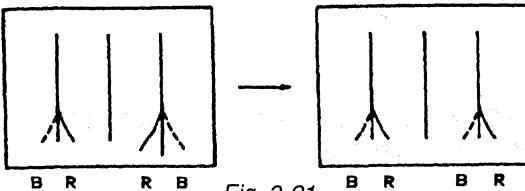


Fig. 3-21

4. If there is a misconvergence in the corner section of the screen, use permalloy to adjust.

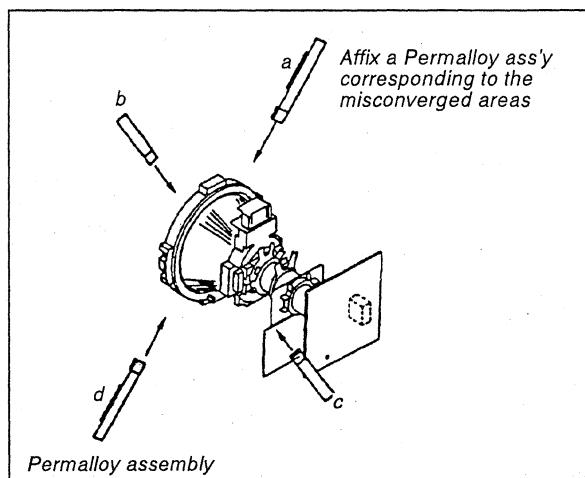
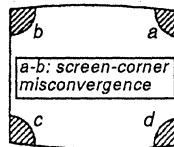


Fig. 3-22

3-3. FOCUS ADJUSTMENT

1. Receive a broadcast.
2. Adjust the picture to standard condition.
3. Adjust the focus volume of the flyback transformer until the focus is ideal in the center of the screen. If the focus is adjusted only to the center of the screen, a magenta ring will appear on the screen. In such a case adjust the focus so that it is even on all parts of the screen.

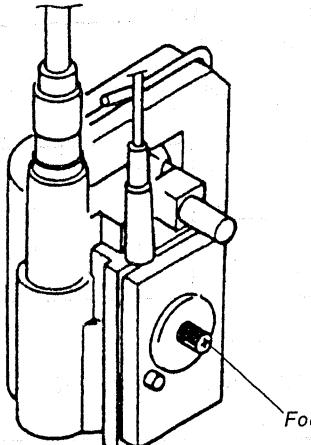


Fig. 3-23

3-4. SCREEN (G2) WHITE BALANCE ADJUSTMENT

G2 Adjustment (RV710)

1. Adjust the picture and brightness to standard.
2. Connect an oscilloscope to the cathode.
3. Remove CN305 connect pin 1, 2, 3 to an external power supply and adjust the cathode voltage to $176 \pm 2V$.
4. Adjust RV710 (G2) by adjusting to a position that is just prior to disappearance of the flyback line on the screen.

WHITE BALANCE ADJUSTMENT

(Caution ; Refer to Page 38)

1. Input the gray scale to Line 1 and select 9300 K on the screen menu.
2. Set so that the user control contrast is minimum and the brightness is reset.
3. Set in the service mode and adjust so that the 0 IRE of the gray scale is cut off and 10 IRE is slightly bright at a brightness of 01.
4. Change the signal to the all-white signal and change the signal level so that the center brightness is 10 nit.

Note : If fine adjustments of the brightness are not possible with the signal level, use contrast on the user control to adjust.

5. Use the G cutoff and B cutoff to adjust so that the color temperature is $9300K+8 MPCD \pm 2JND$.
6. Set the all-white signal level to 100 IRE.
7. Use the G drive and B drive to adjust so that the color temperature is $9300K+8 MPCD \pm 2JND$.
8. Adjust the brightness to 10 nit and confirm that the color temperature is $9300K+8 MPCD \pm 2JND$. Repeat steps 3 to 7 to adjust when necessary.
9. Return to step (1) and check whether the brightness has altered. If so, repeat steps 1-8 to adjust.

10. Input the gray signal of the Y color difference signal to Line 3.
11. Change the signal level so that the center brightness is 10 nit.
12. Adjust the G cutoff and B cutoff so that the color temperature is $9300K+8 MPCD \pm 2JND$.
13. Change the input to the RGB mode of Line 3 and input the RGB gray signal.
14. Change the signal level so that the brightness in screen center is 10 nit.
15. Adjust the G cutoff and B cutoff so that the color temperature is $900K+8 MPCD \pm 2JND$.
16. Save the adjustment data.
17. Change the input to Line 1, change the signal to the gray scale and go to the 6500K mode on the screen menu.
18. Carry out the same adjustments as in steps 2 to 8 so that the color temperature is $6500K+8 MPCD \pm 2JND$.
19. Save the adjustment data.
20. Change the input to the component mode of Line 3 and input the gray signal of the Y color difference signal.
21. Carry out exactly the same adjustments as in 11 and 12 so that the color temperature is $6500K+8 MPCD \pm 2JND$.
22. Save the adjustment data.
23. Change the input to the RGB mode of Line 3 and input the RGB gray signal.
24. Carry out exactly the same adjustments as in 14 and 15 so that the color temperature is $6500K+8 MPCD \pm 2JND$.
25. Save the adjustment data.
26. Change the input to Line 1, change the signal to the gray scale and go to the 3200K mode on the screen menu.
27. Carry out exactly the same adjustments as in steps 2 to 8 so that the color temperature is $3200K \pm 2JND$.
28. Save the adjustment data.
29. Change the input to the component mode of Line 3 and input the gray signal of the Y color difference signal.
30. Carry out exactly the same adjustments as in steps 11 and 12 so that the color temperature is $3200K \pm 2JND$.
31. Save the adjustment data.
32. Change the input to the RGB mode of Line 3 and input the gray signal of RGB.
33. Carry out exactly the same adjustments as in steps 14 and 15 so that the color temperature is $3200K \pm 2JND$.
34. Save the adjustment data.
35. Input a window signal of 100 IRE from Line 1 and go to the 9300K mode. In addition, set the contrast and brightness of the user control to the reset state.
36. Adjust with the picture control until the brightness at the center of the tube is 200 ± 10 nit.
37. Save the adjustment data.
38. Change to the 6500K mode.
39. Adjust the picture adjustment so that the brightness at the center of the tube is 200 ± 10 nit.
40. Save the adjustment data.
41. Change to the 3200K mode.
42. Adjust the picture adjustment so that the brightness at the center of the tube is 140 ± 10 nit.
43. Save the adjustment data.

SECTION 4 SAFETY RELATED ADJUSTMENTS

CONFIRMATION OF HOLD-DOWN(R583)

Be sure to carry out the following adjustments after replacing the following parts (indicated with a sign in the circuit chart).

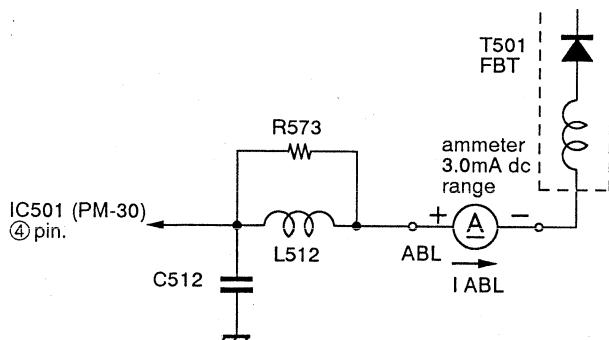
C574, D515, IC501, IC620, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504

(1) Confirmation of B+ line.

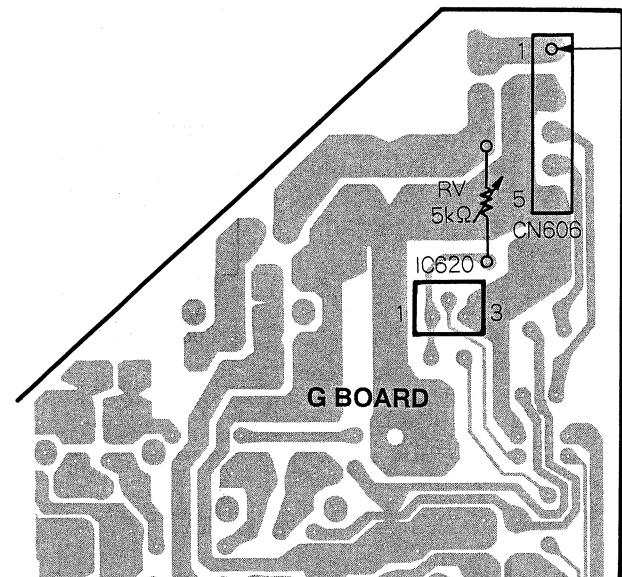
1. Input a voltage of $130^{+0.1}_{-0.0}$ VAC and set picture and brightness to minimum level.
2. Confirm that the voltage on the B+ line is 135.6VDC or less when receiving the dot signal.

(2) Confirmation of hold-down operation

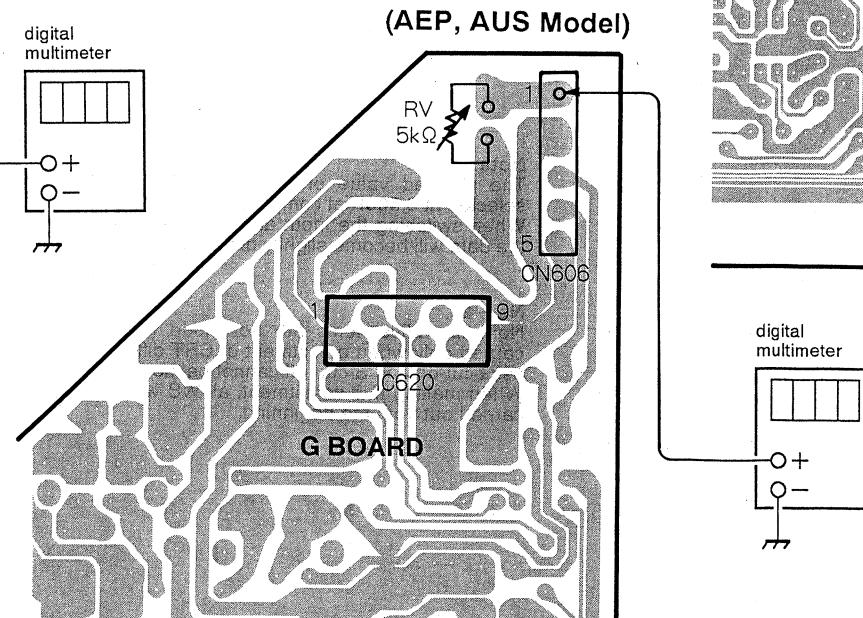
1. Set the power source voltage to AC120V and receive the all-white signal.
2. Adjust the picture and the brightness so that IABL is $1610 \pm 50 \mu\text{A}$.
3. Confirm that the hold-down circuit operates and the raster disappears at a voltage of DC 147.3V or less when applying voltage from external DC power source to the ② pin of IC501.



(US, Canadian Model)



(AEP, AUS Model)



CONFIRMATION OF HOLD-DOWN(R581)

Be sure to carry out the following adjustments after replacing the following parts (indicated with a sign in the circuit chart).

C574, D515, IC501, IC620, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504

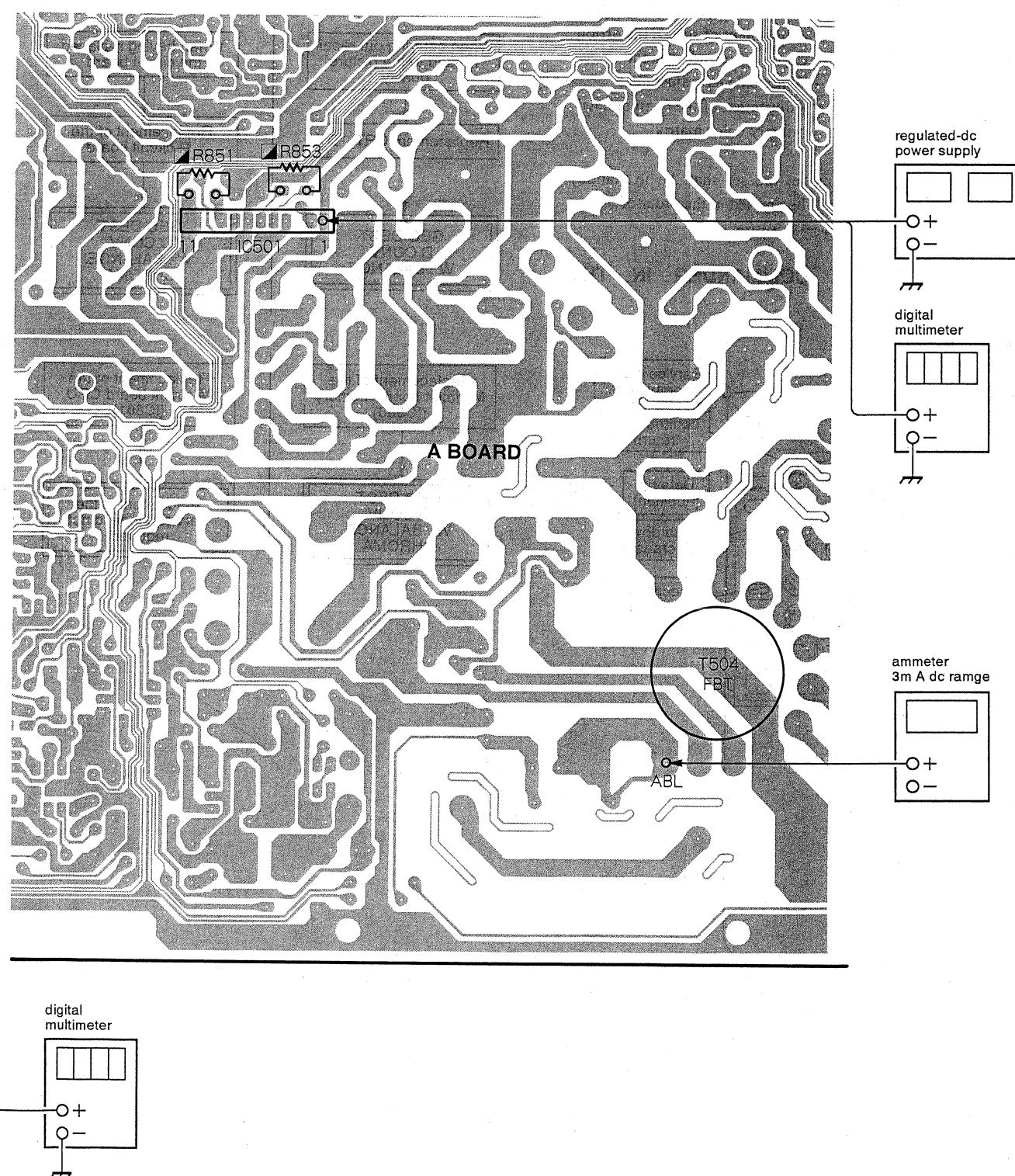
(1) Tertiary winding detection

1. Set the power source voltage to AC120V and receive the all-white signal.
2. Adjust the picture and brightness so that IABL is $1610 \pm 50 \mu\text{A}$.
3. Confirm that the hold-down circuit operates and the raster disappears at a voltage of DC 147.3V or less when applying voltage from external DC power source to the ② pin of IC501.

CONFIRMING THE +B VOLTAGE

The following confirmations must be carried out when replacing IC620.

1. Input $AC130^{+0.1}_{-0.0}$ V 60 Hz as the input voltage to the power source section.
2. Receive the dot signal and set CONT and BRT to MIN. At this time the voltage on the +B line should be 135.6 V or less.



SECTION 5

ELECTRIC ADJUSTMENT IN THE SERVICE MODE

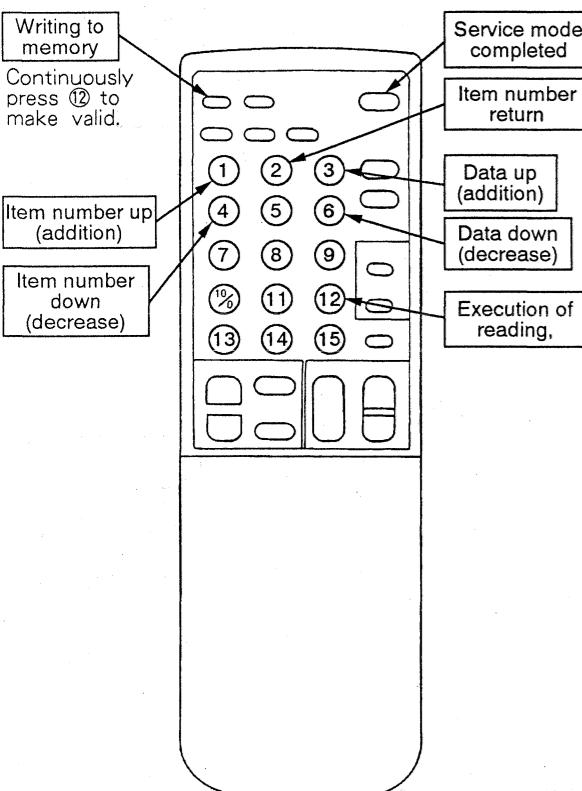
Electric adjustment can be carried out with the remote commander provided with the set (RM-854).

The places to be adjusted in the service mode are as follows.

- RESET U MEN.....All user controls shall be preset.
- GEO DEST.....Adjustment of screen distortion
- D CONV.....Convergence adjustment
- W BALANCE.....White balance adjustment
- CHROMA.....Adjustment of the components' primary color matrix

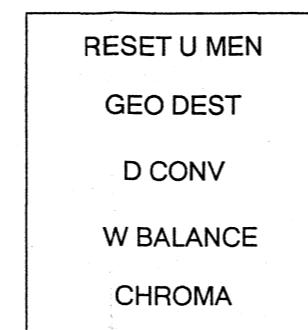
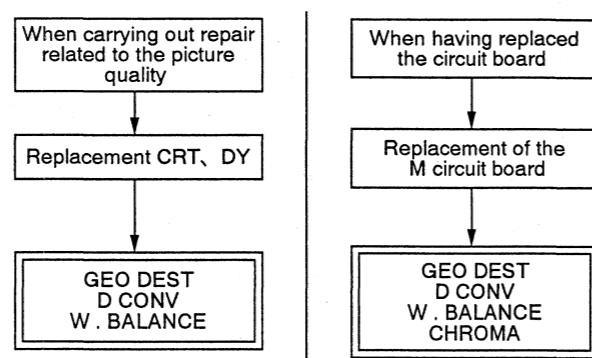
When entering the service mode, the set shall be in standby condition, and each switch shall be pressed in the order of 「Screen display → 5 → VOL+ → POWER」.

FUNCTIONS OF THE COMMANDER IN THE SERVICE MODE



• WHEN ADJUSTMENT IS REQUIRED IN THE SERVICE MODE

When carrying out the following repairs, please be aware that adjustment in the service mode is required.



RESET U MEN		RESET U MEN OK YES : 5+12 RETURN MENU : 2
	60Hz	01 V SIZE : 028 000 ↔ 063
	50Hz	02 V CENT : 040 000 ↔ 063
4 : 3	16 : 9	03 H TRPZ : 025 000 ↔ 063
	9300	04 V LINEGAIN : 006 000 ↔ 015
	6500	05 V LINE BAL : 008 000 ↔ 015
	3200	06 CONT BRTMAX HV COMP V : 004 000 ↔ 007
		07 CONT BRT MIN HV COMP V : 004 000 ↔ 007
		08 H SIZE : 032 000 ↔ 063
		09 H CENT : 046 000 ↔ 063
		10 PIN AMP : 035 000 ↔ 063
		11 TILT : 009 000 ↔ 015
		12 UPCO PIN : 014 000 ↔ 015
		13 LO CO PIN : 009 000-015
		14 V ANGLE : 008 000-015
		15 V BOW : 008 000-015
		16 CONT. BRT MAX HV COMPH : 007 000-007
		17 CONT. BRT MIN HV COMPH : 007 000-007

: XXX XXX ↔ XXX
Standard value Range of data variation
RESET : 6500

Setting the standard
Color temperature of the monitor.
(When resetting with User Menu 3,
the color temperature will be reset.)

Note 1

The standard value of the W balance is the data selected at 6,500K at composite input.
When switching the input and the color temperature, the data will become slightly different.

Note 2

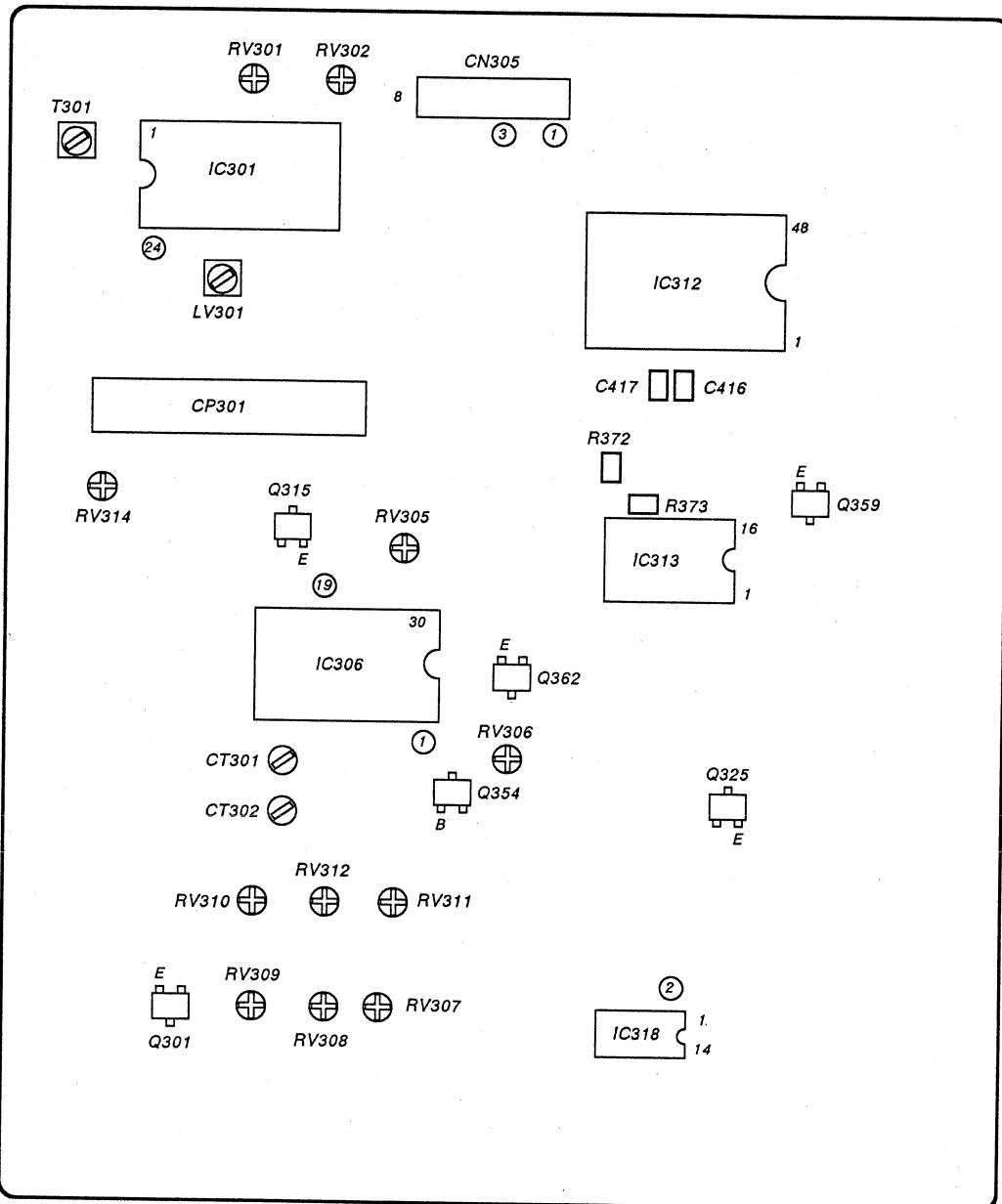
Normally adjustments are not made (adjustment is carried only when adjustment of CRT differences such as G cut-off and B cut-off cannot be made).
When making this adjustment, all WB will have to be carried out from the beginning.

SECTION 6

CIRCUIT ADJUSTMENTS

6-1. B BOARD ADJUSTMENTS

B BOARD — CONDUCTOR SIDE —



1. Call up the set menu and reset all the user control functions.
2. Connect the oscilloscope between UT board CN205 Pin ③ and ground and adjust RV201 so that the Y output is 2.0 ± 0.1 Vp-p (100% white signal).
3. Connect the oscilloscope between UT board CN205 Pin 1 and ground and adjust RV202 so that the Burst output is 200 ± 10 mVp-p (100% white signal)
4. Primary color matrix adjustment
 - 4-1. Input a component 75% color bar R-Y and sync signal to Line 3.
 - 4-2. Set service personnel mode.

- 4-3. Connect the emitter of Q359 to +12V and the emitter of Q315 to ground.
- 4-4. Connect the oscilloscope between CN305 Pin ③ and ground and adjust with the remote controller so that B-Out is 50 mVp-p max.

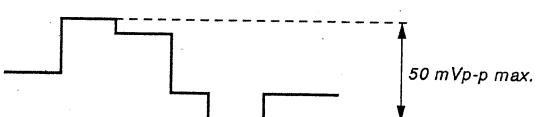


Fig. 6-1

- 4-5. Return Q359 and Q315 to their original connections.
 4-6. Also input a B-Y/Y signal to Line 3. Adjust with the remote controller so that for the waveform at CN305 Pin ③ (B-Out), A=B.

5. Chroma decoder adjustment

- 5-1. Input NTSC color bars from Line 1.
 5-2. Connect the oscilloscope to the emitter of Q325 and the emitter of Q326.
 5-3. Connect the base of Q354 and ground.
 5-4. Adjust RV306 so that the pulse position phase is as shown in the figure below.

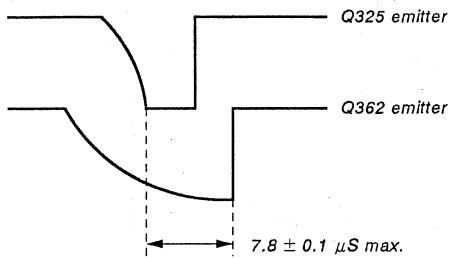


Fig. 6-2

- 5-5. Input an all-white NTSC signal to Line 1.
 5-6. Return Q354 to its original connections.
 5-7. Use the circuit in the figure below to supply +12 V to IC306 Pin ①.

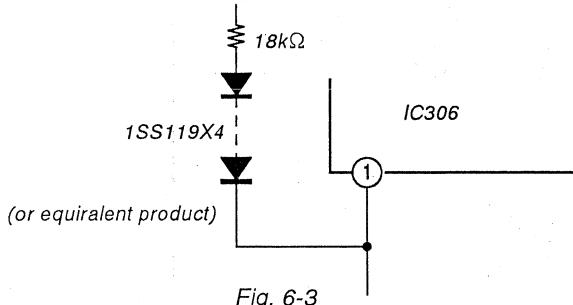


Fig. 6-3

- 5-8. Connect the emitter of Q301 to ground.
 5-9. Connect IC318 Pin ② to ground.
 5-10. Connect the frequency counter to IC306 Pin ⑩ and adjust CT301 so that the frequency is 3579545 ± 30 Hz.
 5-11. Convert the signal to an all-white PAL signal.
 5-12. Check that IC318 Pin ② is +5V.
 5-13. Connect the frequency counter to IC306 Pin ⑩ and adjust CT302 so that the frequency is 4433619 ± 30 Hz.

6. NTSC Hue/Color Adjustment

- 6-1. Input color bars including only the burst and R-Y components from Line 1.

- 6-2. Connect the oscilloscope to the C417+ side and adjust RV308 so that the waveform is as shown in the figure below.

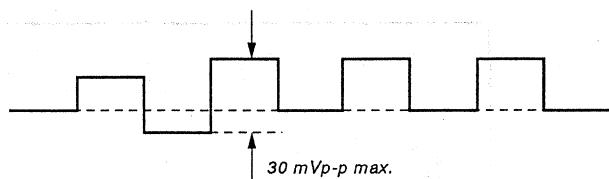


Fig. 6-4

- 6-3. Change the signal to NTSC 75% full color bars.
 6-4. Connect the oscilloscope between C417 and R372 and adjust RV311 so that the waveform is as below.

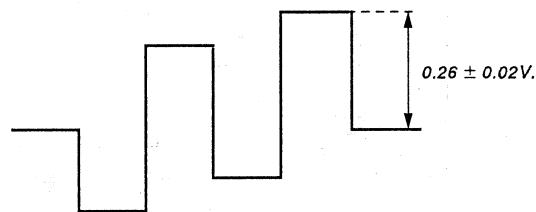


Fig. 6-5

- 6-5. Connect the oscilloscope between C416 and R373 and adjust RV305 so that the waveform is as below.

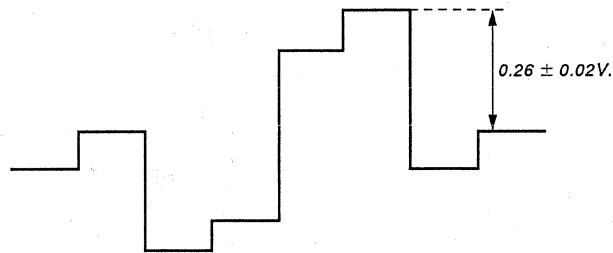
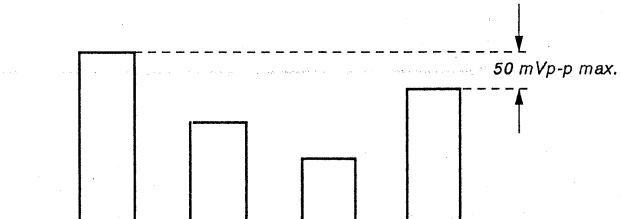


Fig. 6-6

- 6-6. Connect the oscilloscope to CN305 Pin ③ and adjust RV311 so that the waveform is as below.



Make the 1st waveform and the 4th waveform the same.

Fig. 6-7

- 6-7. Switch the signal to 4.43 NTSC 75% color bars.

6-8. Connect the oscilloscope to CN305 Pin ③. Secure the tracking and adjust with RV307 and RV310 so that the heads of the waveforms line up.

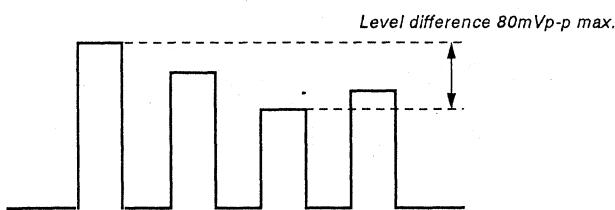
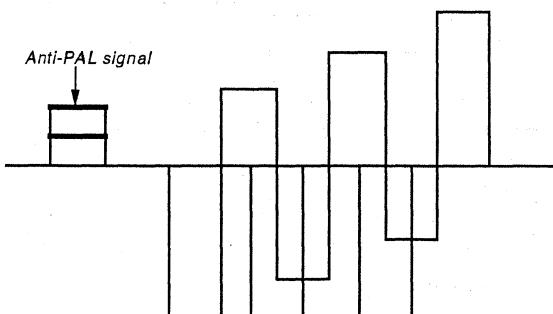


Fig. 6-8

7-3. Connect the oscilloscope to C417 and R372 and adjust RV2 on CP301 so that the anti-PAL signal is as in the figure below.

7-4. Secure the tracking for 7-2. and 7-3.



7. PAL Color Demodulation Adjustment

7-1. Input the PAL special color bars from Line 1.

7-2. Connect the oscilloscope to C416 and R373 and adjust RV309 so that the anti-PAL signal is as in the figure below.

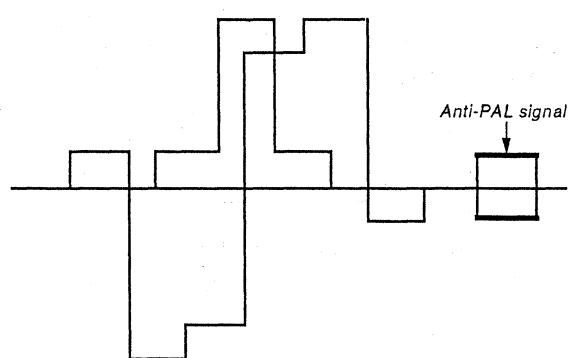
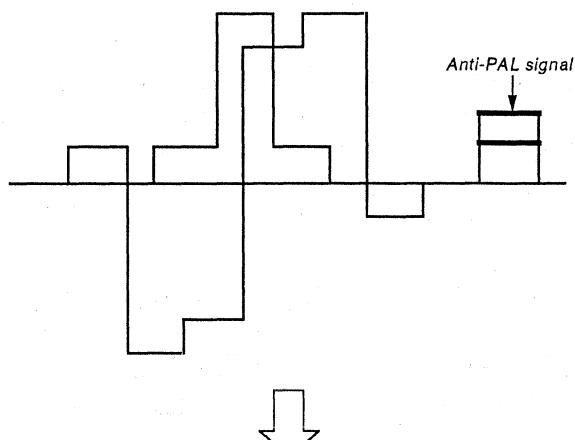


Fig. 6-9

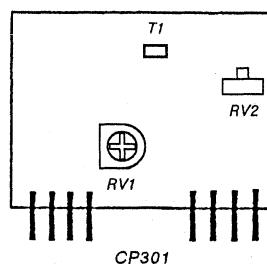
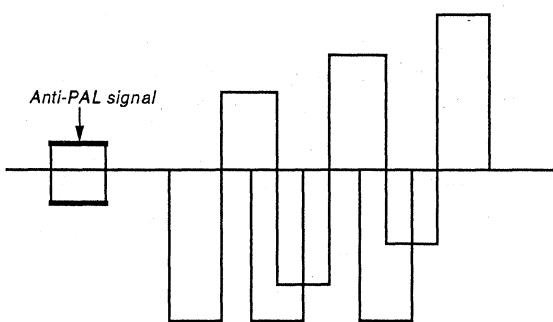


Fig. 6-10

7-5. Connect the oscilloscope to C416 and R373 and adjust RV312 so that the waveform is as in the figure below.

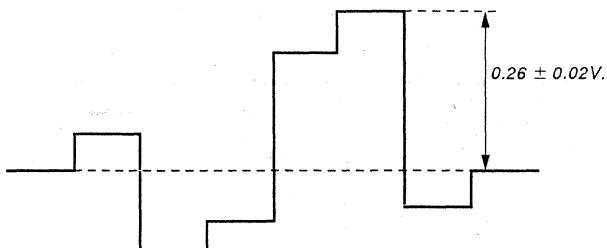


Fig. 6-11

7-6. Connect the oscilloscope to C417 and R372 and adjust RV314 so that the waveform is as in the figure below.

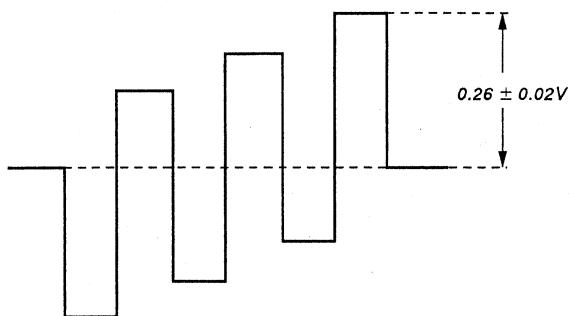


Fig. 6-12

7-7. Change the signal to PAL 75% color bars.

7-8. Connect the oscilloscope to CN305 Pin ③ and adjust RV312 so that the waveform is as in the figure below.

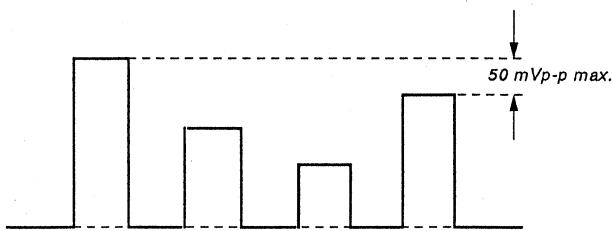


Fig. 6-13

8. Line crawling adjustment

8-1. Input 75% PAL color bars from Line 1.

8-2. Connect the oscilloscope to CN305 Pin ③ and check that the output difference per 1H for the waveform is under 5%.

8-3. If the difference is over 5%, measure between C416 and R373 and between C417 and R372, change the signal to a PAL SP CB signal and adjust T1 on CP301 to minimize the level difference per 1H of the anti-PAL signal.

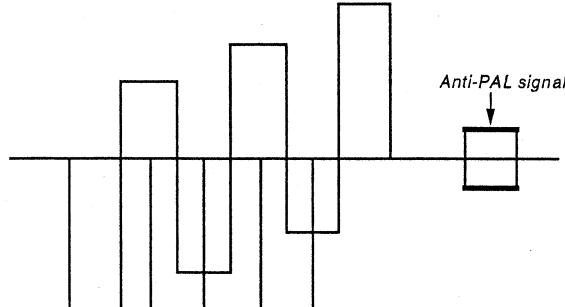


Fig. 6-14

8-4. Repeat the adjustment from 7-1.

9. SECAM bell filter adjustment

9-1. Input SECAM color bars to Line 1.

9-2. Connect the oscilloscope to IC303 Pin ④ and adjust T301 so that the waveform is as in the figure below.

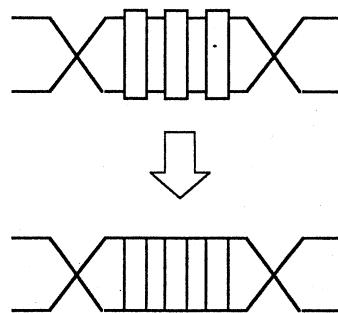


Fig. 6-15

9-3. Input SECAM color bars to Line 1 (100% white).

9-4. Connect the oscilloscope to the emitter of Q359 and adjust with RV313 so that the waveform is as in the figure below.

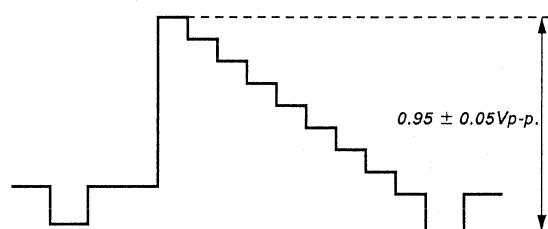


Fig. 6-16

9-5. Connect the oscilloscope between C417 and R372 and adjust LV301 so that the B-Y waveform no-color component level is a straight line.

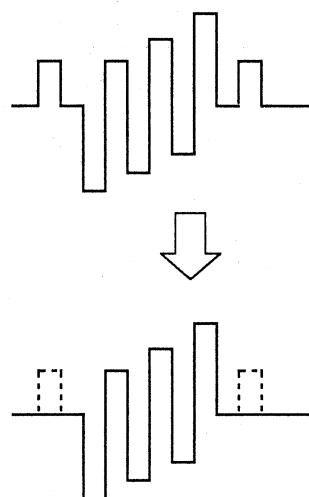


Fig. 6-17

- 9-6. Connect the oscilloscope between C416 and R373 and adjust LV301 so that the R-Y waveform no-color component level is a straight line.

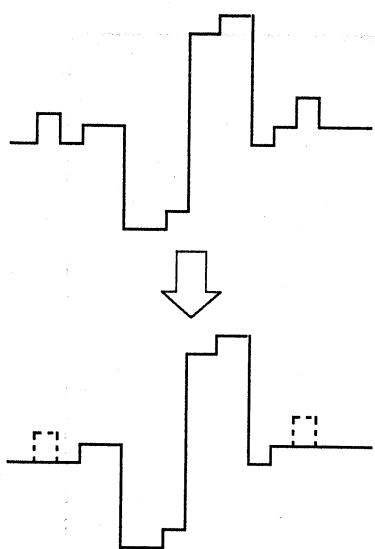
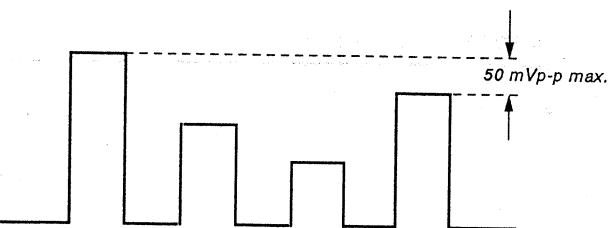


Fig. 6-18

- 9-10. Connect the oscilloscope to CN305 Pin ③ ¥ and adjust RV301 so that the heads of the B-Out waveforms line up.



Adjust so that the 1st waveform and the 4th waveform are the same.

Fig. 6-21

- 9-7. Input SECAM color bars to Line 1 (75% chroma).

- 9-8. Connect the oscilloscope between C417 and R372 and adjust RV301 so that the B-Y waveform level is as in the figure below.

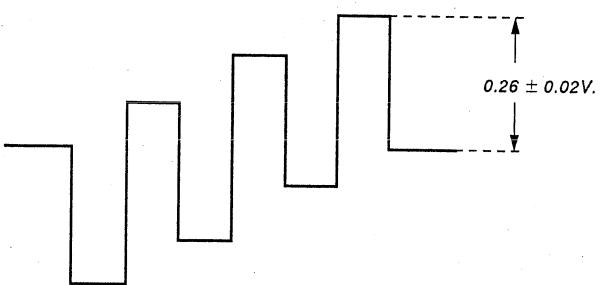


Fig. 6-19

- 9-9. Connect the oscilloscope between C416 and R373 and adjust RV302 so that the R-Y waveform level is as in the figure below.

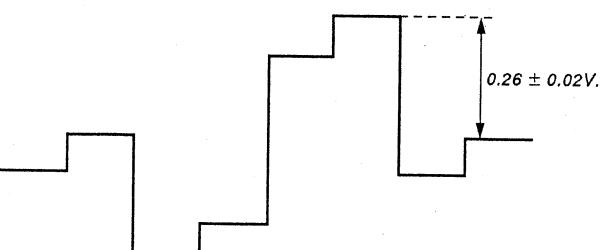
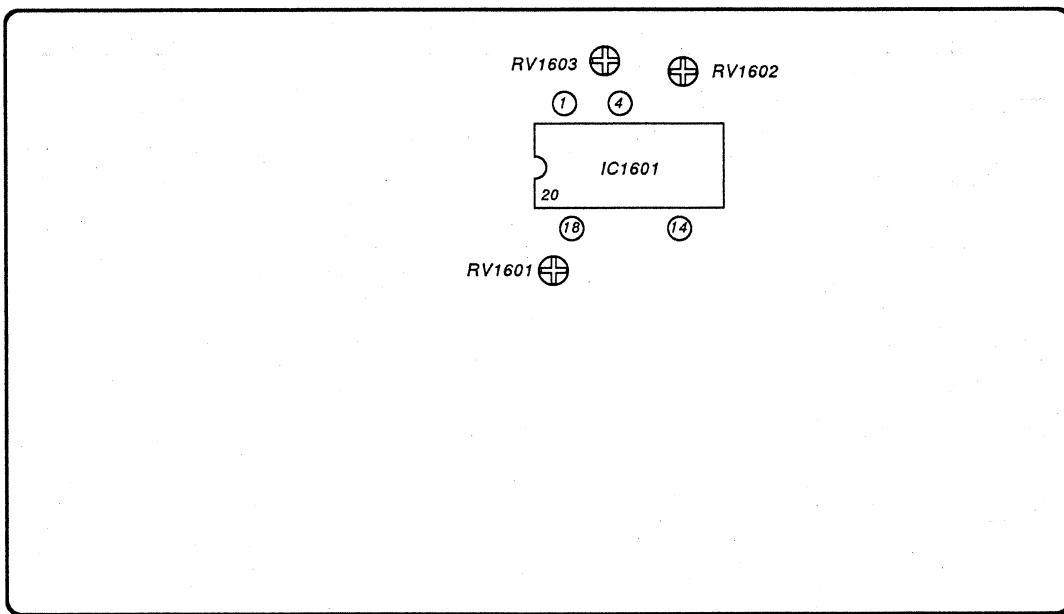


Fig. 6-20

6-2. A BOARD ADJUSTMENT

A BOARD - CONDUCTOR SIDE -



1. Hfo adjustment

- 1-1. Input NTSC color bars.
- 1-2. Short IC1601 Pin ① and Pin ⑭.
- 1-3. Connect a frequency counter to IC1601 Pin 4.
- 1-4. Adjust RV1602 so that the frequency is 15734 ± 50 Hz.
- 1-5. Input PAL color bars.
- 1-6. Adjust RV1603 so that the frequency is 15624 ± 50 Hz.
- 1-7. Remove the jumper from IC1601.

2. V Oscillator adjustment

- 2-1. Connect the oscilloscope to IC1601 Pin ⑯ and adjust RV1601 so that the waveform is as shown in the figure below.

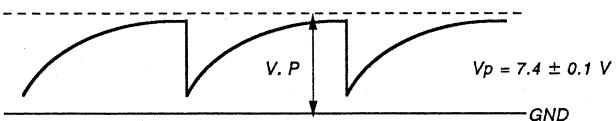
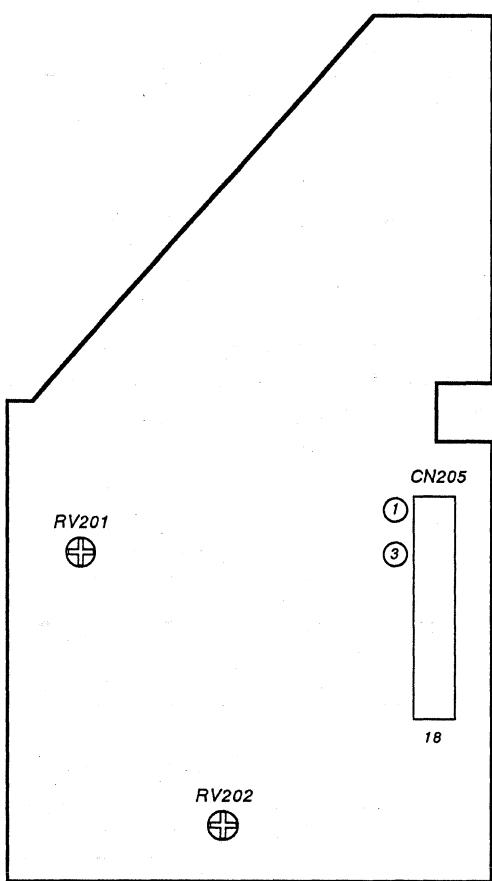


Fig. 6-22

6-3. UT BOARD ADJUSTMENT**UT BOARD – CONDUCTOR SIDE –****1. Y signal**

- 1-1. Input a 75% white signal, 75% full field signal from SG1410.
- 1-2. Connect the oscilloscope to CN205 Pin ③ and adjust RV201 so that the Y level is as in the figure below.

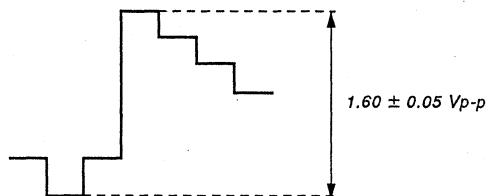


Fig. 6-23

- 1-3. Input a 14.31818MHz clock synchronized with the composite video signal to CN203 Pin ①.
- 1-4. Connect the oscilloscope to CN205 Pin ① and adjust RV202 so that the burst level is as shown in the diagram.

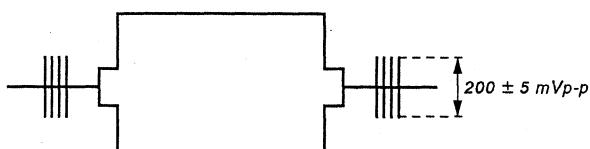
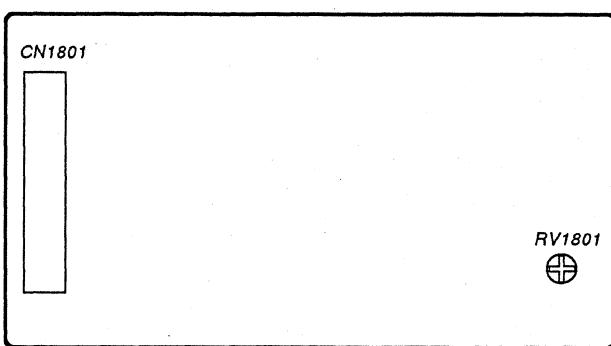


Fig. 6-24

6-4. VC BOARD ADJUSTMENT**VC BOARD – CONDUCTOR SIDE –**

1. Use the circuit in the figure in the figure below

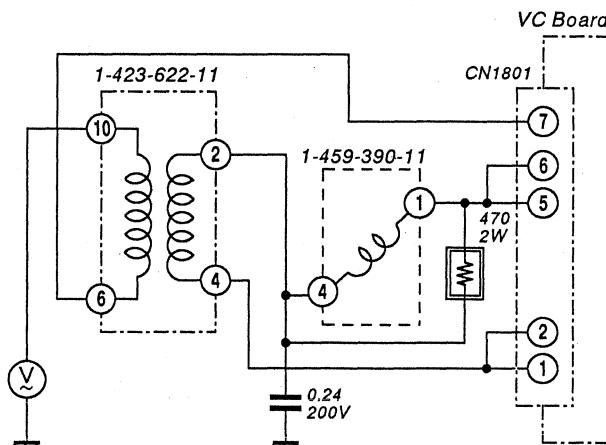


Fig. 6-25

2. Adjustment with RV1801 so that the reading of the voltmeter becomes maximum.

(Notes)

Regarding the white Balance Adjustment

Data memory for white balance adjustment is not available for all color temperatures of all signals.

Each data memory is assigned as shown in the table below. However, as variables are possible (adjustment of each item) for signals and color temperatures that have not been actually assigned, it is necessary to exercise care.

Example 1 :

At a setting of an input signal component and color temperature of 9300, a data variable of 01 : BRIGHT is possible, but as only one memory each is available for each color temperature, the BRIGHT data of the composite RGB may also change in the same manner when using this setting. (It is the same for the CONTRAST too.)

Example 2 :

Due to variations in the characteristics of the R CUT OFF, these characteristics have to be adjusted only in cases in which the white balance cannot be adjusted, but normally they are not adjusted. As there is only one data memory each for all conditions, the black level of the red color for all signals and color temperatures (the white balance of the black side) change when changing this data.

		1	2	3	4	5	6	7	8
		BRIGHT	G CUTOFF	B CUTOFF	G DRIVE	B DRIVE	CONTR.	R CUTOFF	RESET
COMPOS.	9,300	O	O	O	O	O	O	X	
	6,500	O	O	O	O	O	O	•	•
COMPONENT	9,300	X	O	O	X	X	X	X	
	6,500	X	O	O	X	X	X	X	
	3,200	X	O	O	X	X	X	X	
RGB	9,300	X	O	O	X	X	X	X	
	6,500	X	O	O	X	X	X	X	
	3,200	X	O	O	X	X	X	X	

O: Memory is available for each color temperature of the composite signals.

O: Memory is available for each color temperature for each signal.

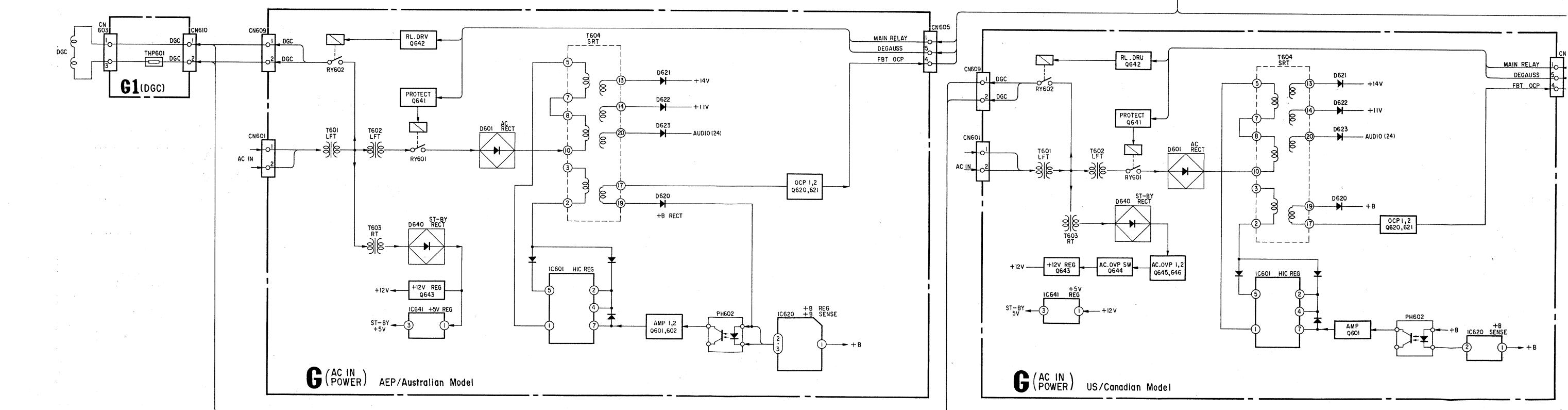
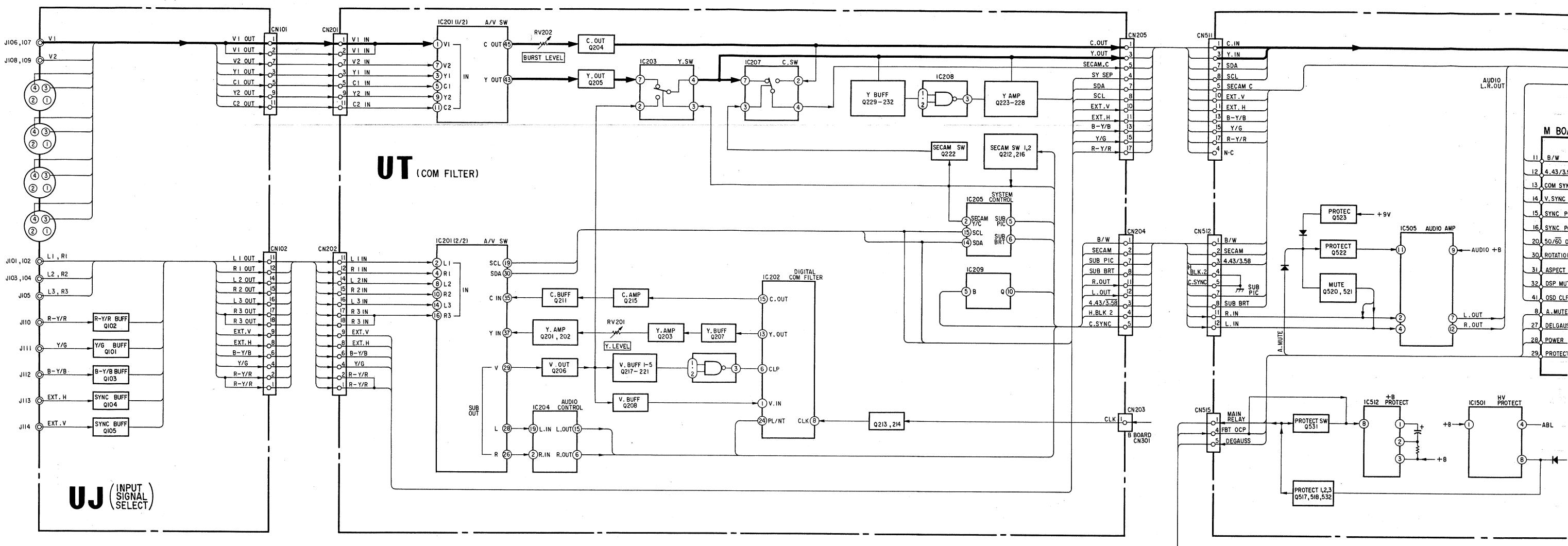
•: Only one memory is available for all color temperatures of all signals

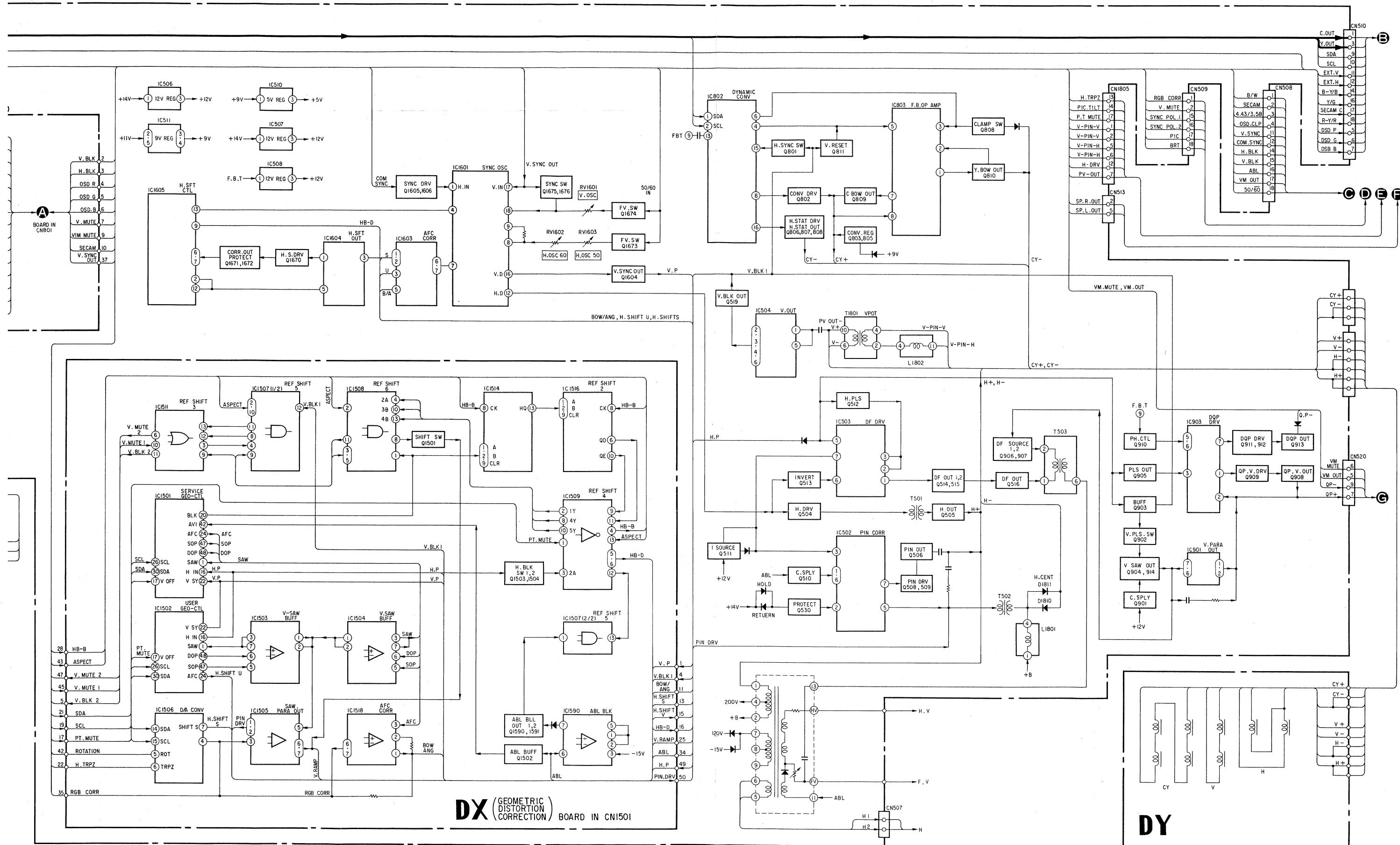
X: No memory is available. Data variation is possible, but basically no adjustment is made under this condition.

(Please refer to Example 1 and Example 2 in the preceding text.)

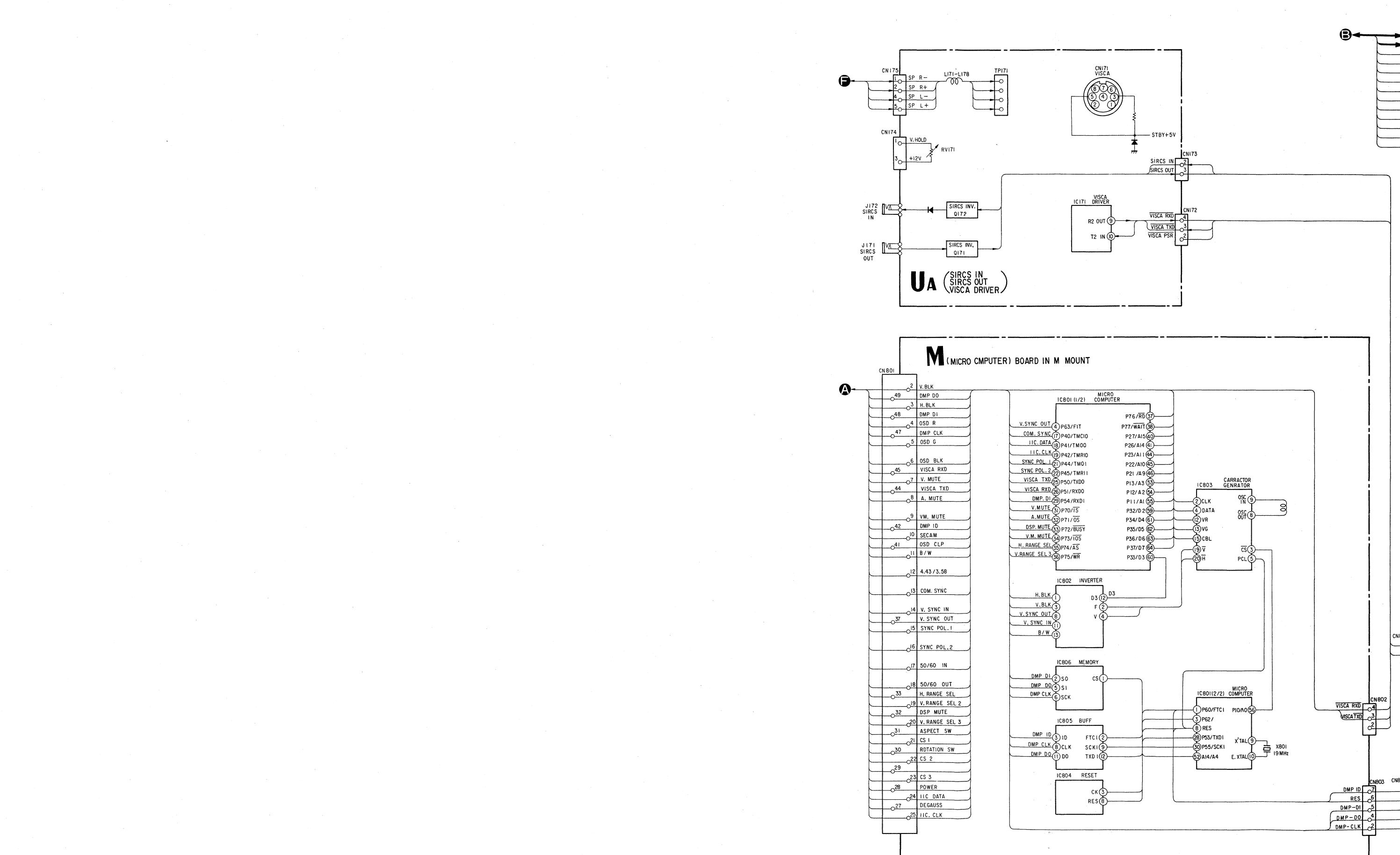
**SECTION 7
DIAGRAMS**

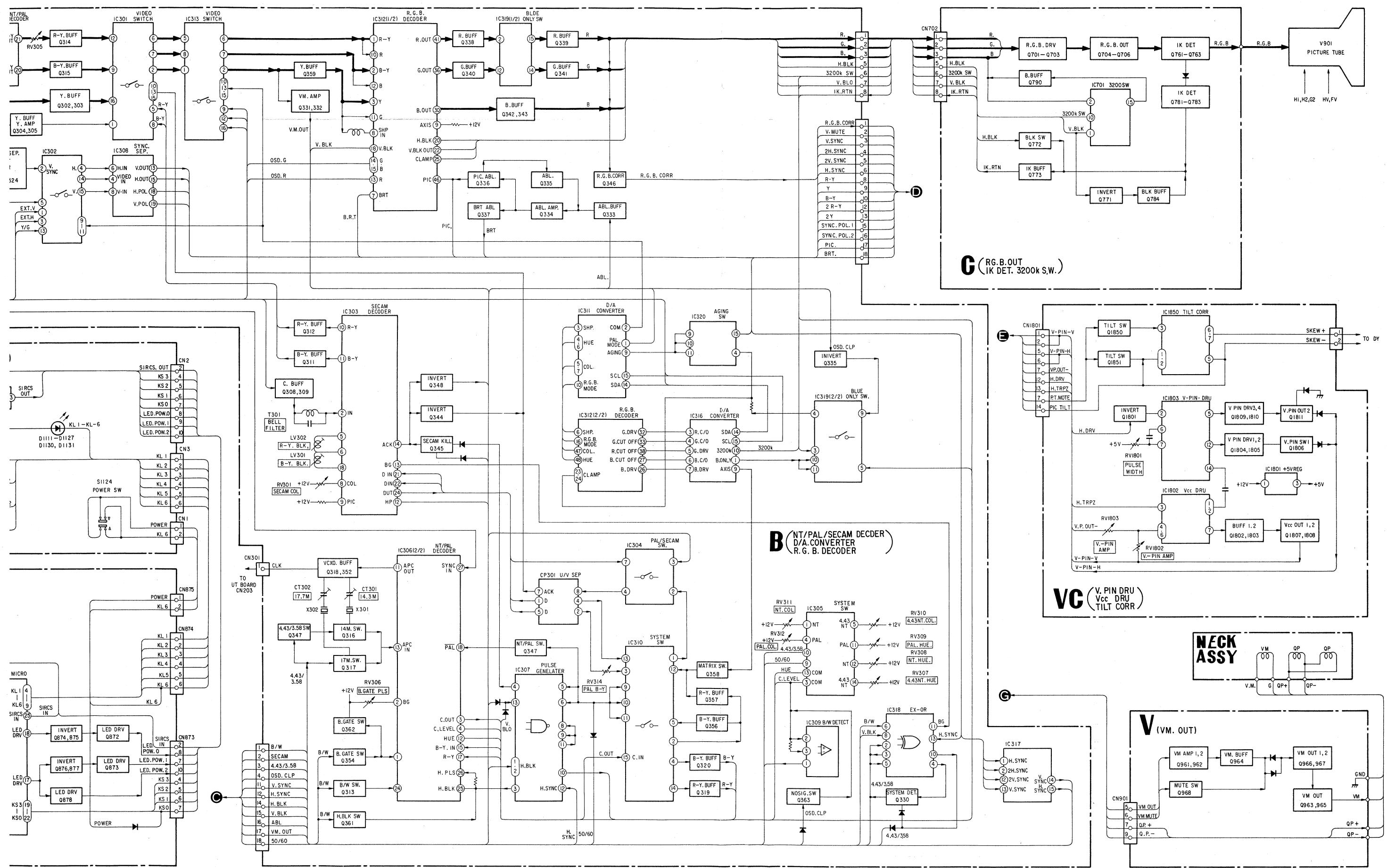
7-1. BLOCK DIAGRAMS (1)



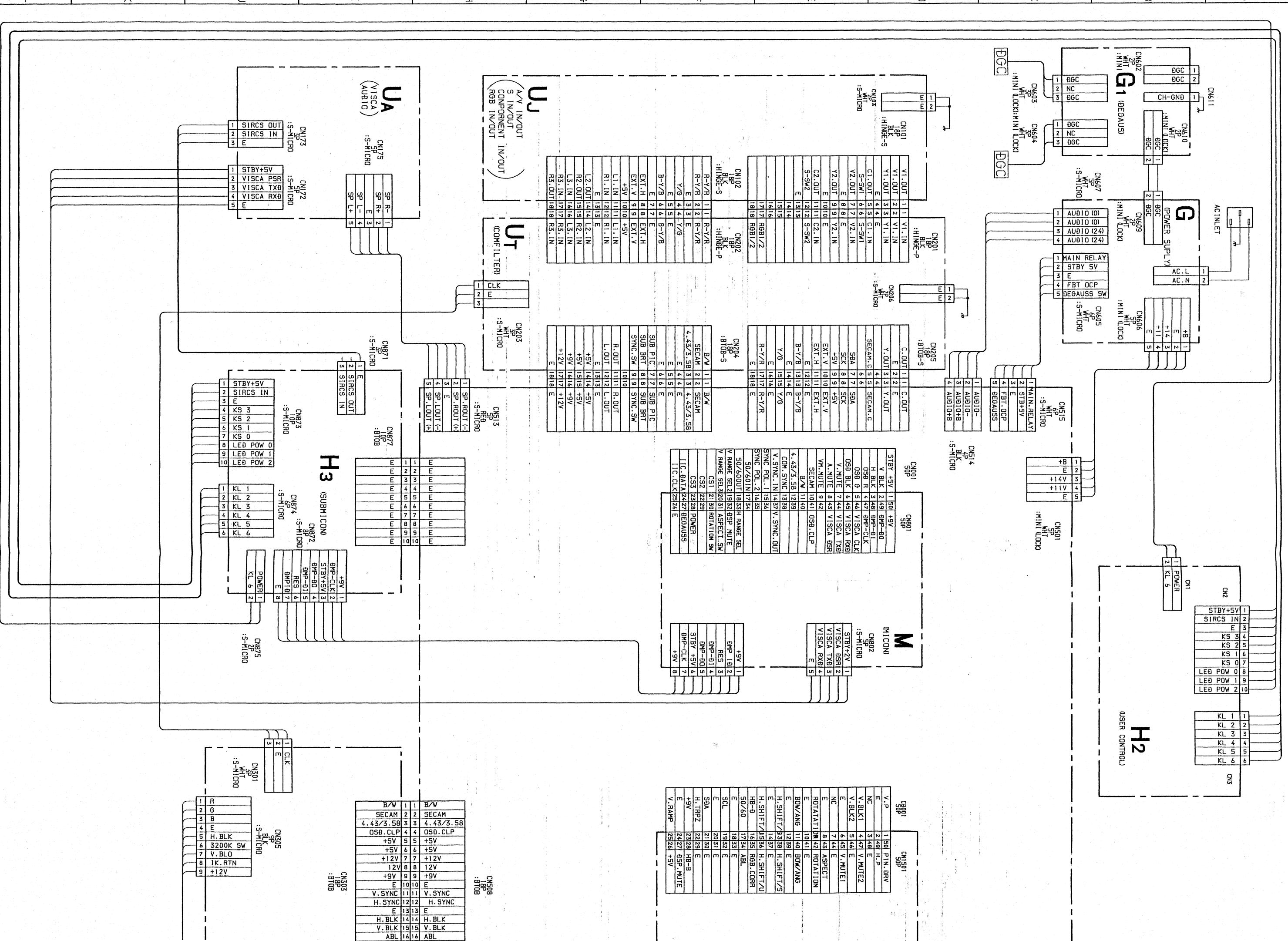


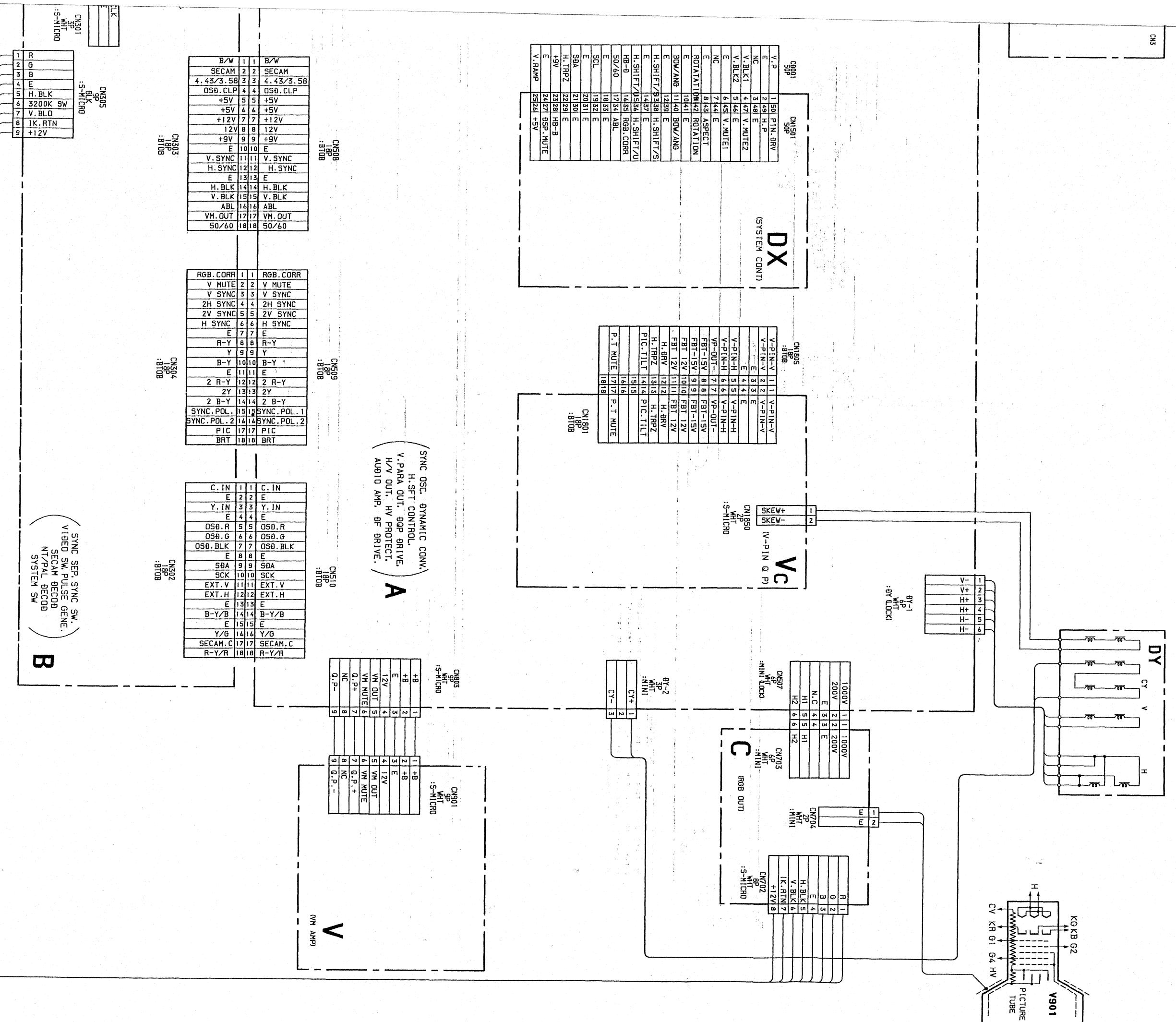
BLOCK DIAGRAMS (2)

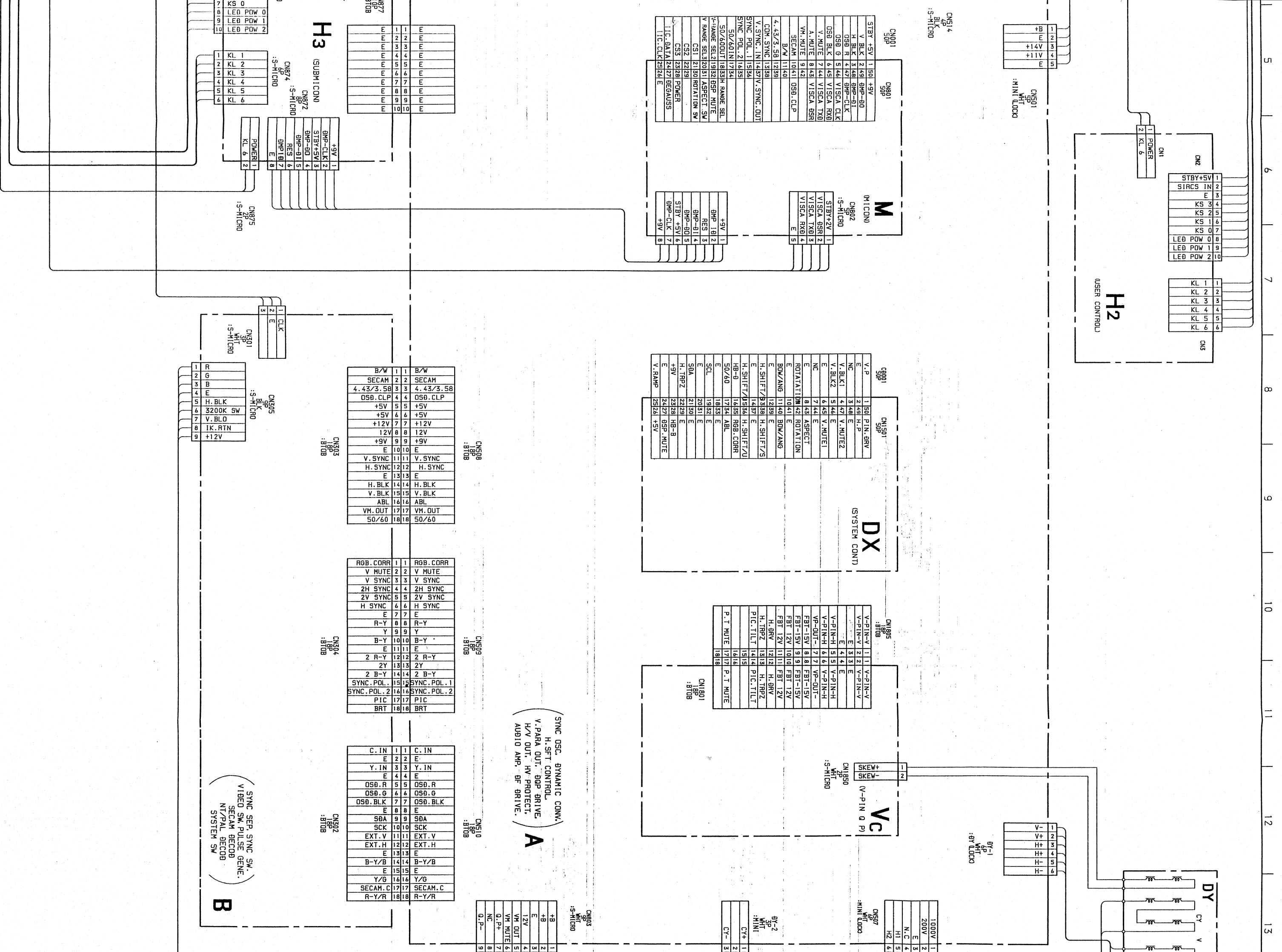




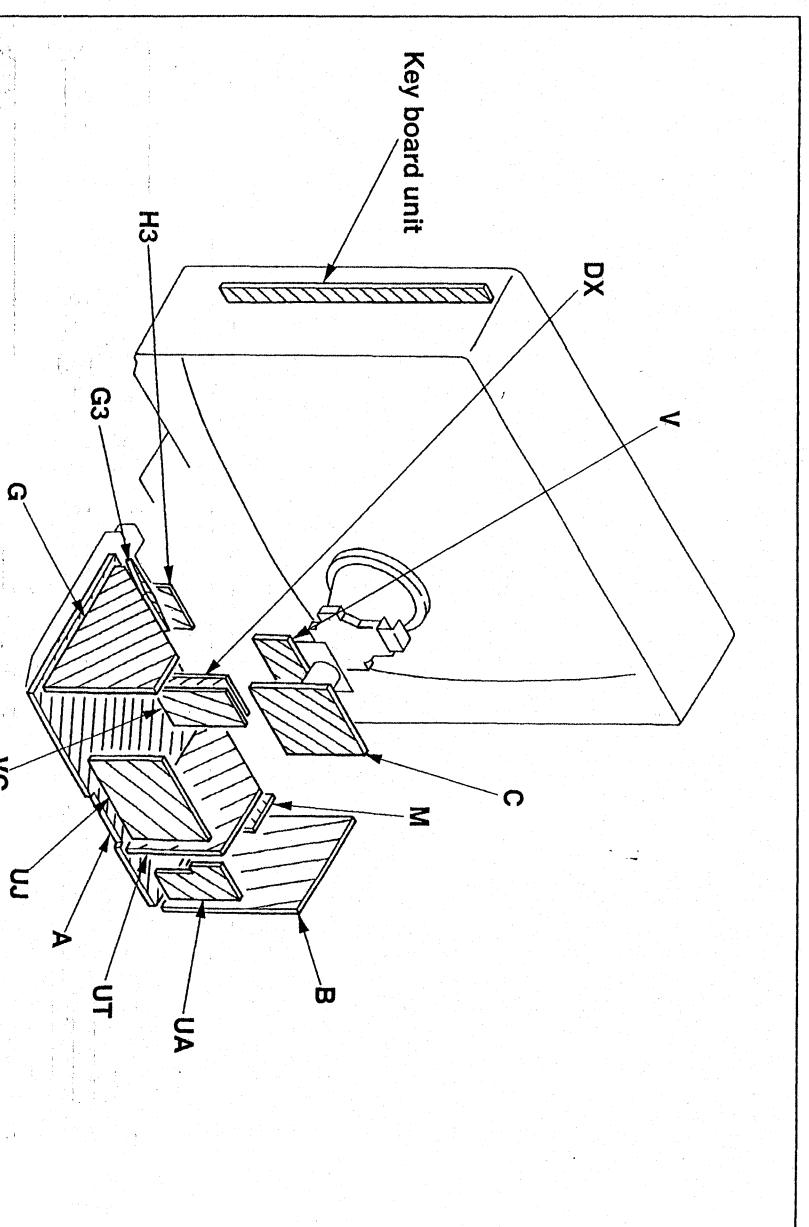
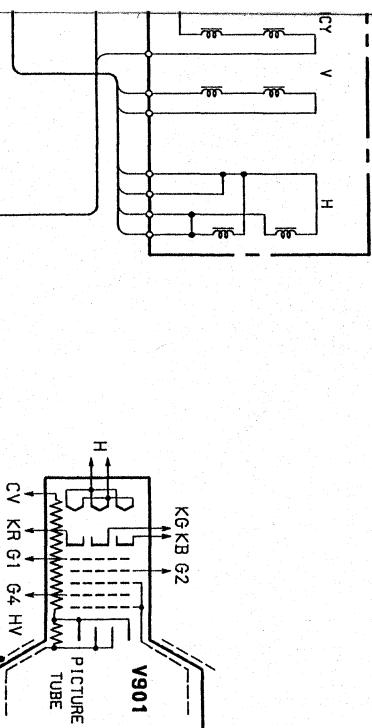
7-2. FRAME SCHEMATIC DIAGRAM







7-3. CIRCUIT BOARDS LOCATION



7-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted.

pF: μF 50mW or less are not indicated except for electrolytic and tantalums.

- All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms.

$K\Omega = 1000\Omega$, $M\Omega = 1000K\Omega$

- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power 1.4W

- Chips resistors are 1/10W.

: nonflammable resistor.

- : internal component.

: panel designation, and adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

: earth-ground.

: earth-chassis.

- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.

Should replacement be required, replace only with the value originally used.

- When replacing components identified by , mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.

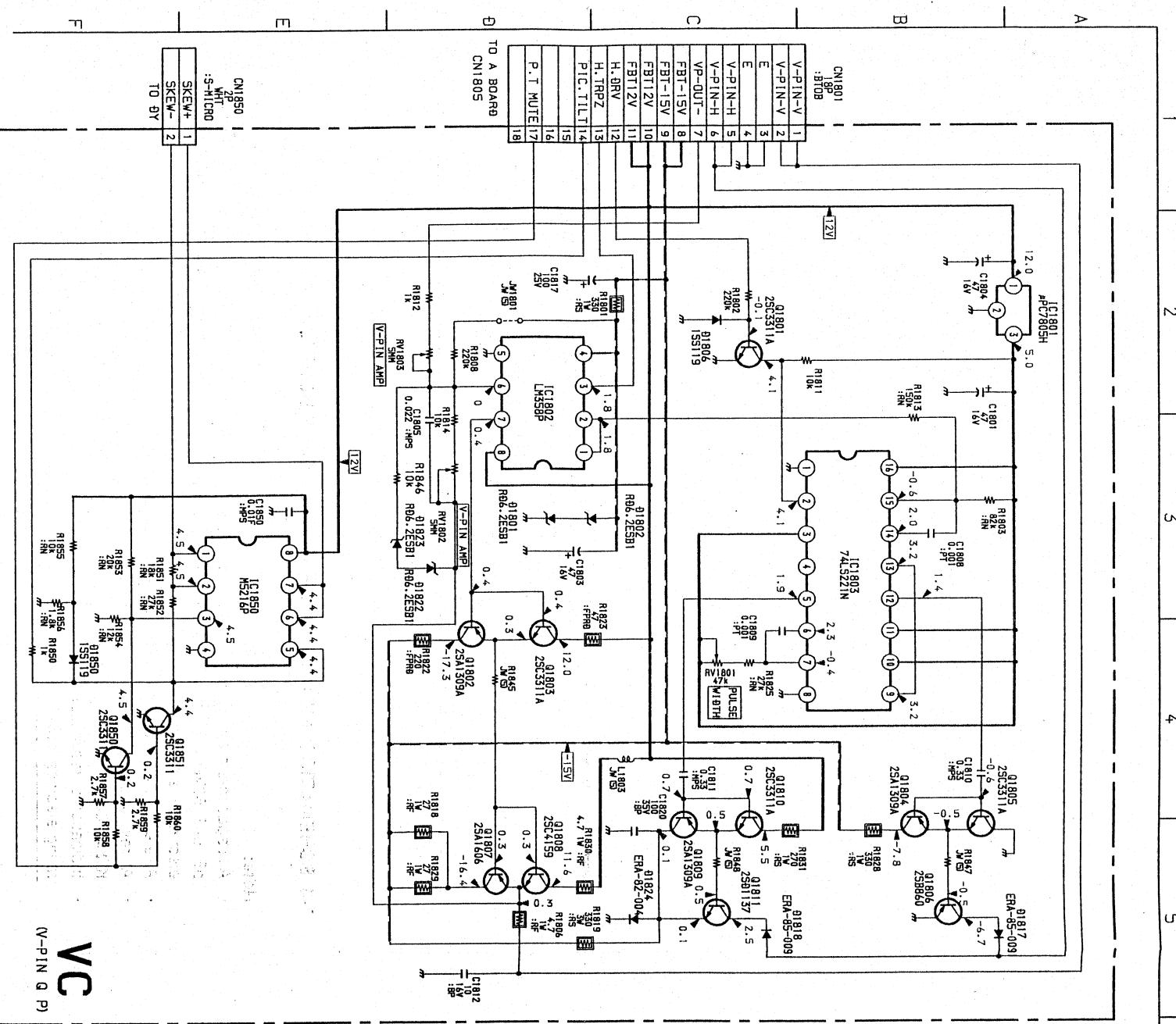
(Refer to R581 and R583 on Page 28, 29 in the Service Manual.)

- When replacing the part in below table be sure to perform the related adjustment.

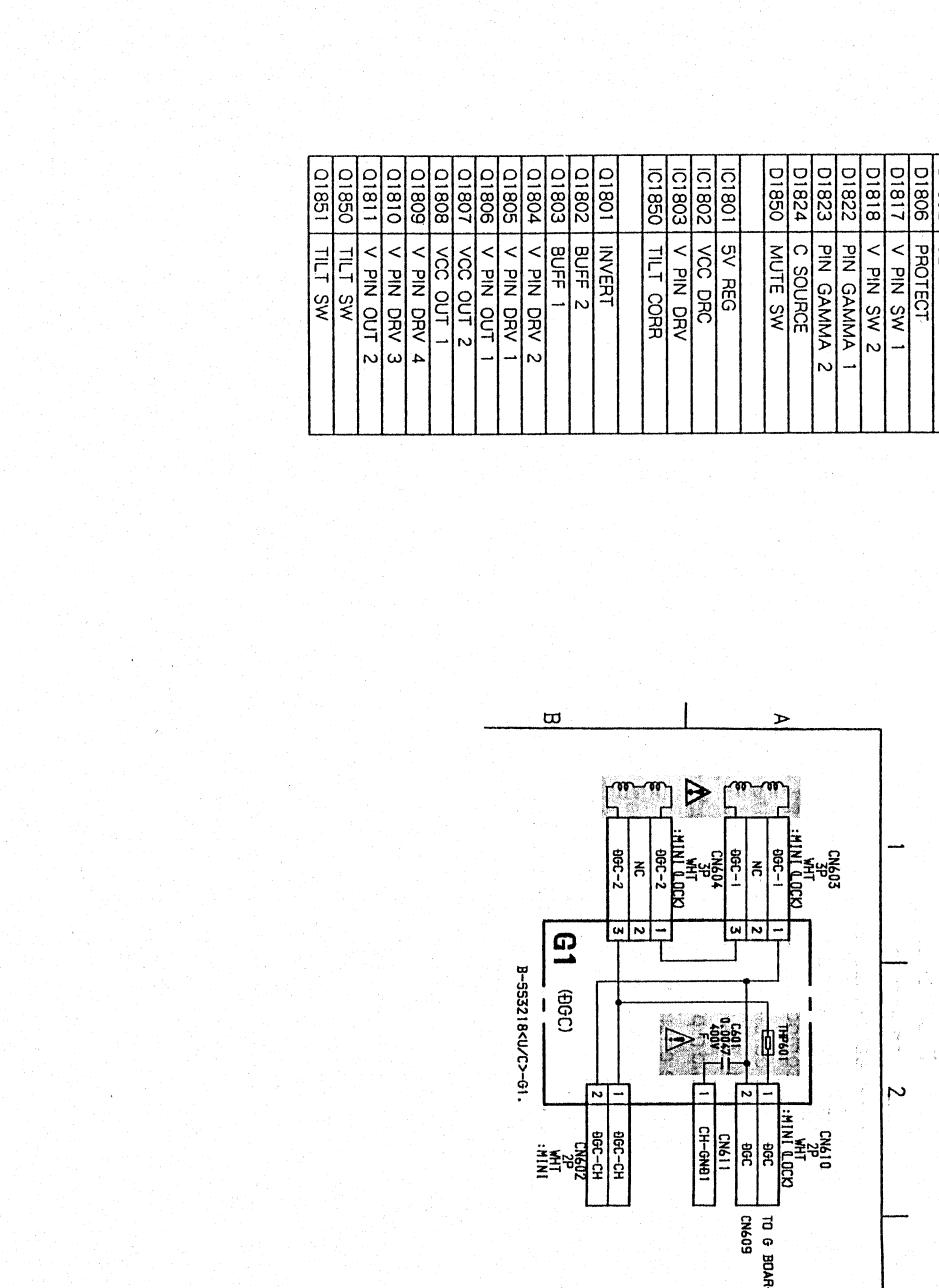
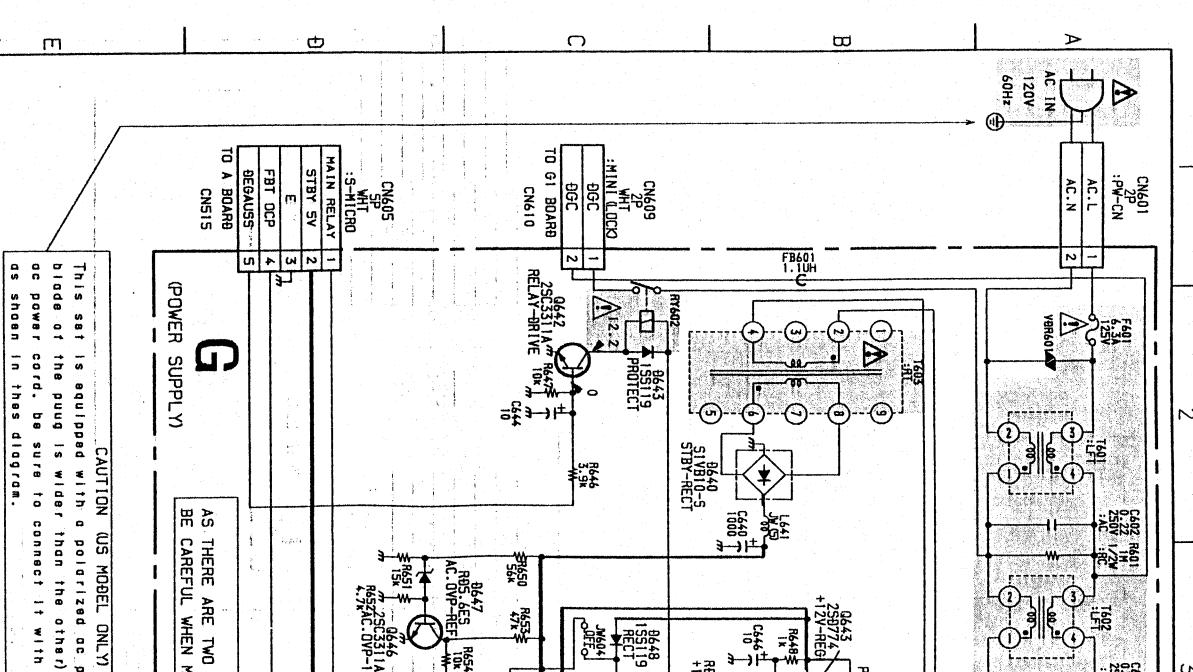
Part replaced ()	Adjustment ()
C574, D515, IC501, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504..... G BOARD	R581 (HOLD-DOWN)
IC620..... G BOARD	R583 (HOLD-DOWN)
C574, D515, IC501, Q517, Q518, R578, R580, R581, R582, R583, R584, R585, T504..... A BOARD	
IC620..... G BOARD	

Note: The components identified by shading and marked are critical for safety. Replace only with part number specified.

(US, Canadian Model)



(AER, AUS Model)

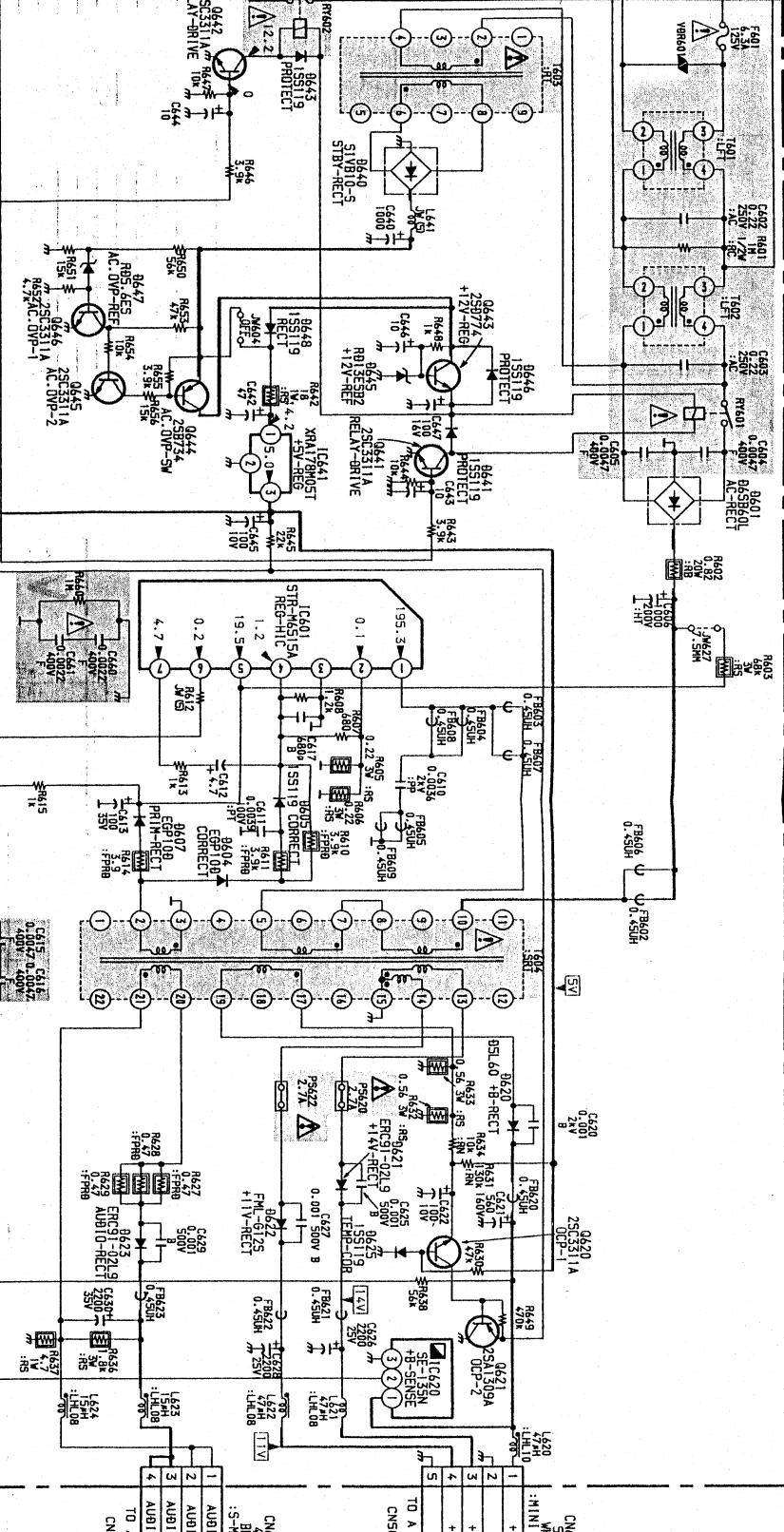


Schematic diagrams

G G1 H2 boards →

H3 VC

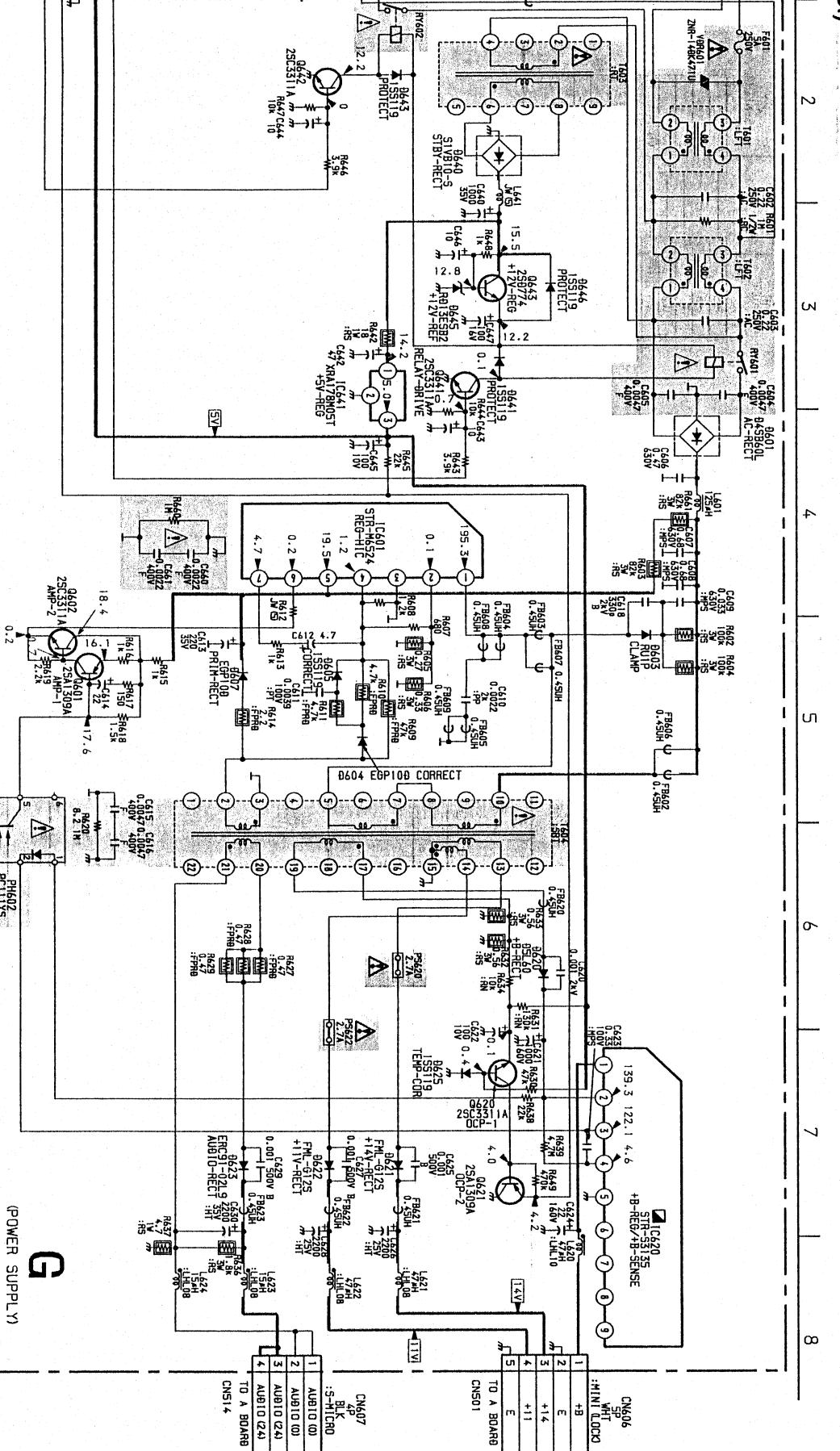
2 | 3 | 4 | 5 | 6 | 7 | 8



G
POWER SUPPLY

CAUTION (US MODEL ONLY)
AS THERE ARE TWO KINDS OF GROUND ON THIS BOARD,
BE CAREFUL WHEN MEASURING THE VOLTAGES.

B-S53218<EP>-6..

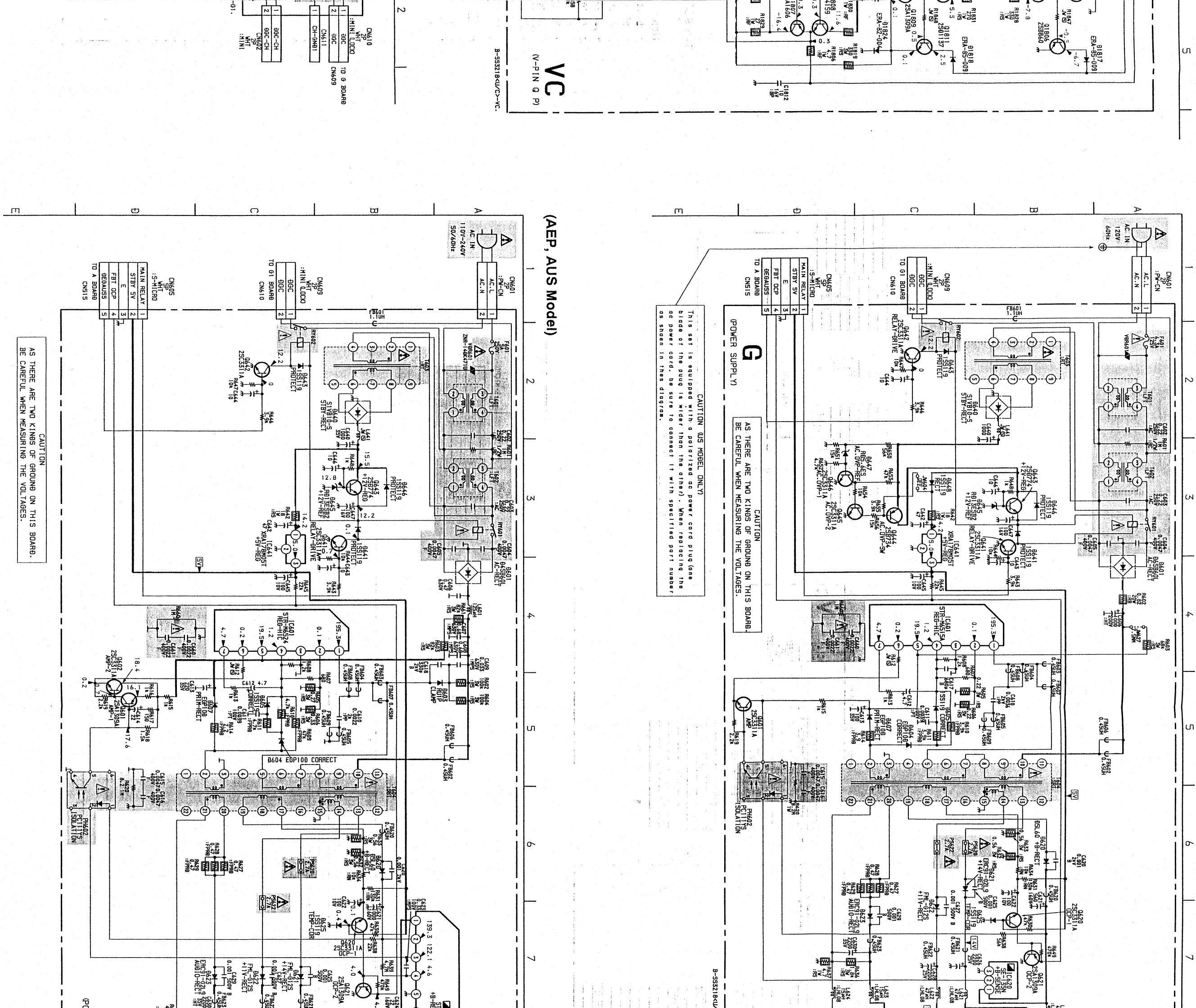


G
POWER SUPPLY

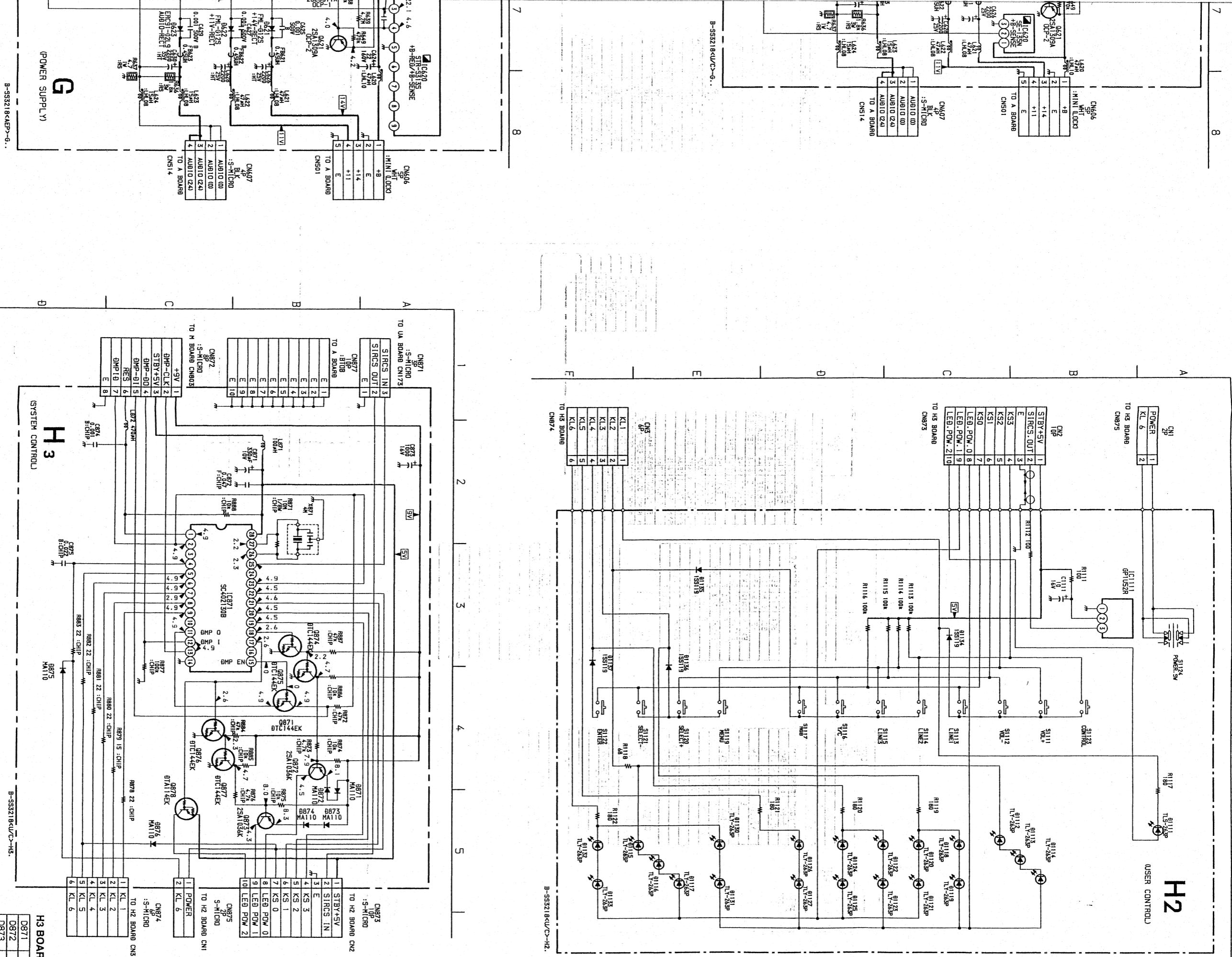
B-S53218<EP>-6..

CAUTION
AS THERE ARE TWO KINDS OF GROUND ON THIS BOARD,
BE CAREFUL WHEN MEASURING THE VOLTAGES.

(US, Canadian Model)

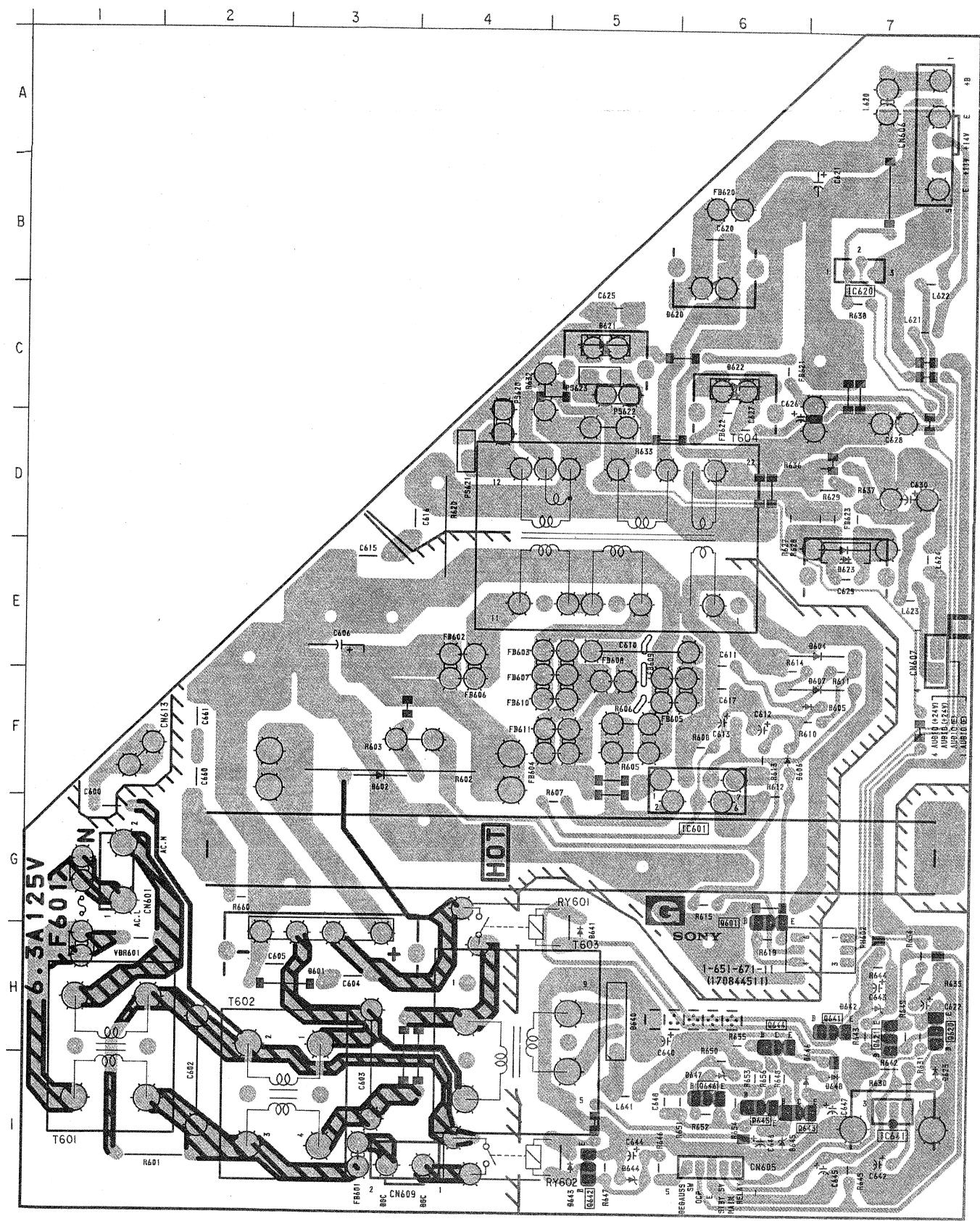


H3 BOARD	
(SYSTEM CONTROL)	
D871	DC SHIFT
D872	DC SHIFT
D873	DC SHIFT
D874	DC SHIFT
D875	KEY MATRIX
D876	KEY MATRIX
IC871	SUB MICRO
IC872	SUB MICRO
Q871	INVERT
Q872	LED DRIVER
Q873	LED DRIVER
Q874	INVERT
Q875	INVERT
Q876	INVERT
Q877	INVERT
Q878	LED DRIVER



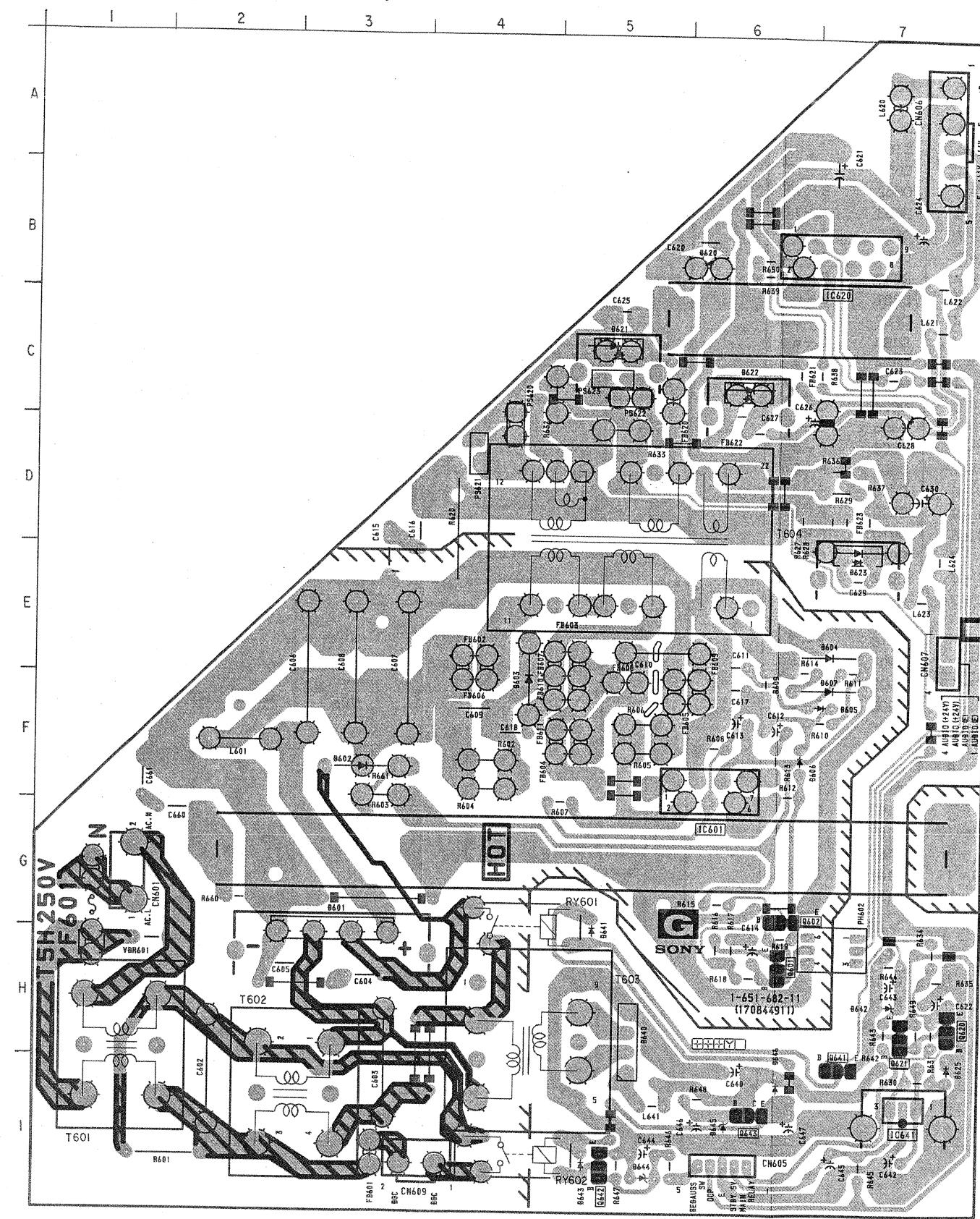
G [POWER SUPPLY] **H3** [SYSTEM CONTROL] **G1** [DGC] **H2** [USER CONTROL] **VC** [V – PIN Q, P]

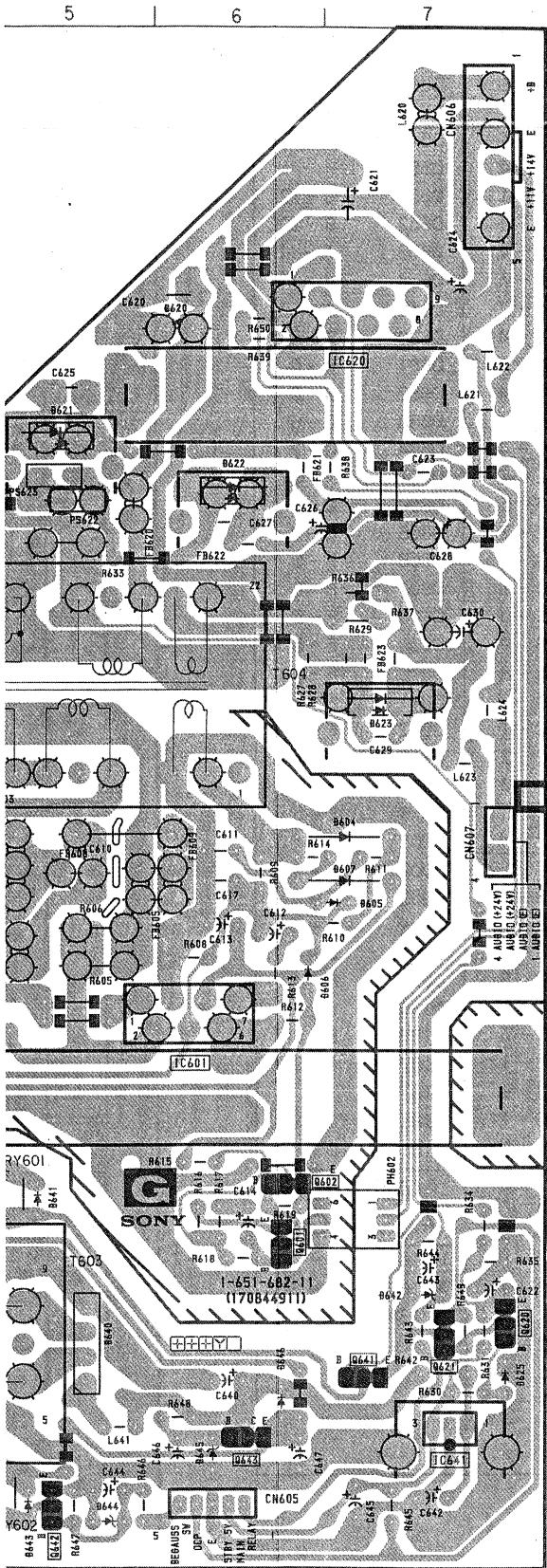
– G BOARD – (US, Canadian Model)



G BOARD	
IC	
IC601	F - 6
IC620	B - 7
IC641	I - 7
TRANSISTOR	
Q601	G - 6
Q620	H - 7
Q621	H - 7
Q641	H - 7
Q642	I - 5
Q643	I - 6
Q644	H - 6
Q645	I - 6
Q646	I - 6
DIODE	
D601	H - 3
D604	E - 7
D605	F - 7
D607	F - 7
D620	B - 6
D621	C - 5
D622	C - 6
D623	E - 7
D625	I - 7
D640	H - 5
D641	G - 5
D643	I - 5
D645	I - 6
D646	I - 7
D647	I - 6
D648	I - 7

– G BOARD – (AEP, AUS Model)

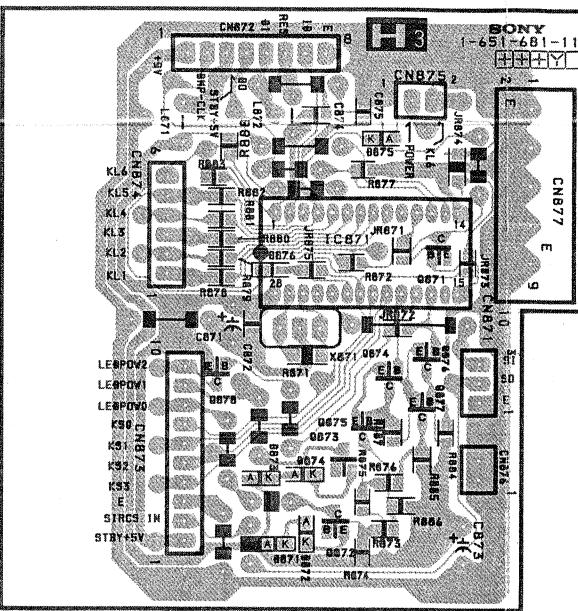




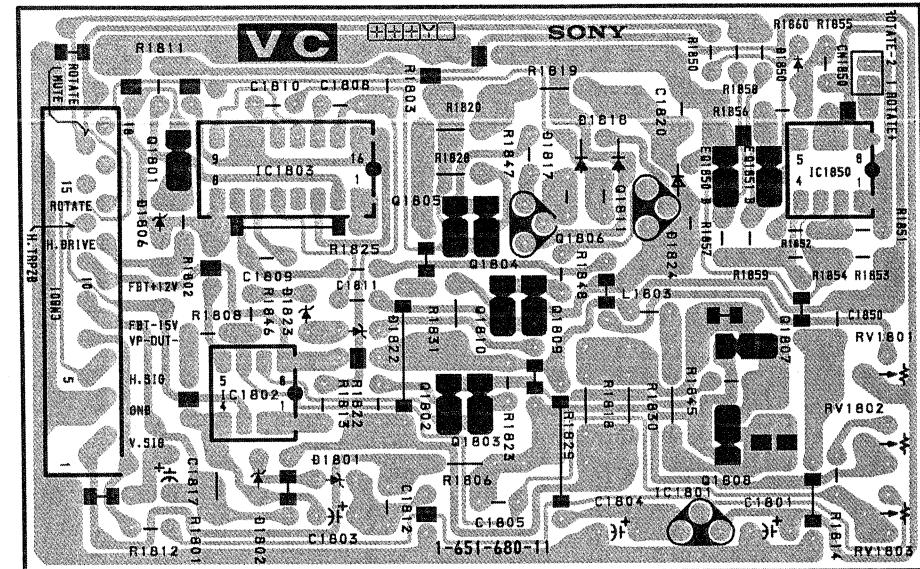
G BOARD

IC	
IC601	F - 6
IC620	B - 7
IC641	I - 7
TRANSISTOR	
Q601	H - 6
D602	G - 6
Q620	H - 7
Q621	H - 7
Q641	I - 7
Q642	I - 5
Q643	I - 6
DIODE	
D601	H - 3
D603	F - 4
D604	E - 7
D605	F - 7
D607	F - 7
D620	B - 6
D621	C - 5
D622	C - 6
D623	E - 7
D625	I - 7
D640	H - 5
D641	G - 5
D643	I - 5
D645	I - 6
D646	I - 6

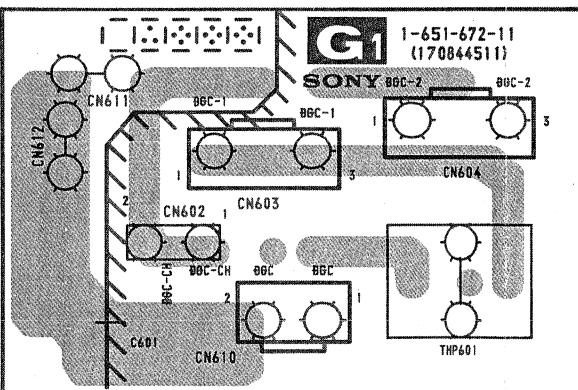
- H3 BOARD -



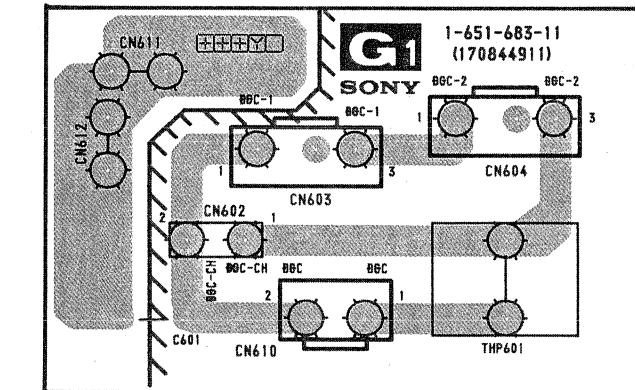
- VC BOARD -



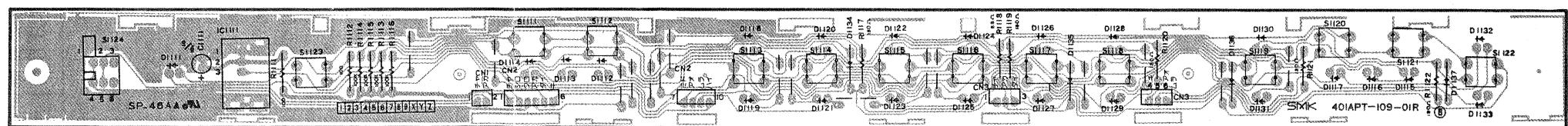
– G1 BOARD – (US, Canadian Model)



– G1 BOARD – (AEP, AUS Model)

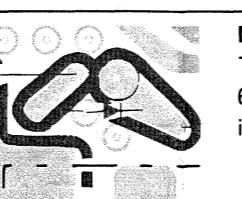


- H2 BOARD -



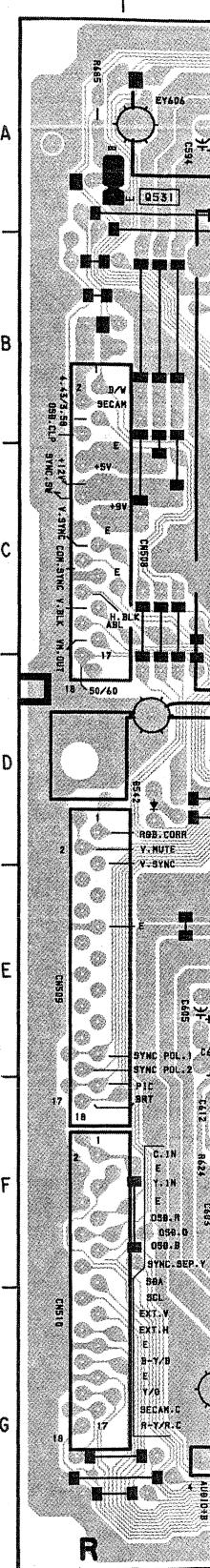
A BOARD

IC	Q808	F - 5	D532	E - 2
IC501	Q809	G - 6	D533	B - 3
IC502	Q810	G - 6	D534	C - 3
IC503	Q811	F - 6	D535	D - 3
IC504	Q901	E - 4	D542	D - 1
IC505	Q902	F - 4	D550	
IC506	Q903	F - 4	D650	C - 12
IC507	Q904	F - 4	D652	B - 10
IC508	Q905	C - 4	D653	A - 11
IC510	Q806	F - 7	D654	A - 11
IC511	Q907	F - 7	D655	A - 11
IC512	Q908	G - 4	D680	B - 6
IC802	Q909	D - 3	D681	B - 6
IC803	Q910	G - 4	D682	B - 6
IC901	Q911	D - 4	D683	C - 6
IC903	Q912	D - 4	D684	C - 7
IC1601	Q913	E - 4	D801	F - 5
IC1603	Q914	F - 5	D804	G - 4
IC1604	Q1604	B - 7	D805	G - 4
IC1605	Q1605	A - 7	D806	F - 5
IC1607	Q1606	B - 7	D807	F - 6
	Q1670	B - 9	D808	F - 5
	Q1671	B - 9	D809	F - 5
	Q1672	B - 8	D810	F - 5
	Q1673	A - 7	D811	G - 5
	Q1674	C - 7	D812	F - 6
	Q1675	C - 7	D813	C - 4
	Q1676	C - 7	D814	E - 5
TRANSISTOR			D816	E - 5
Q504	Q504	C - 10	D901	E - 4
Q505	Q505	D - 10	D902	F - 4
Q506	Q506	D - 11	D903	F - 4
Q508	Q508	B - 11	D906	F - 4
Q509	Q509	B - 11	D907	D - 4
Q510	Q510	A - 11	D908	F - 4
Q511	Q511	C - 11	D1601	B - 7
Q512	Q512	B - 11	D1670	B - 9
Q513	Q513	C - 10	D1671	B - 9
Q514	Q514	C - 11	D1672	
Q515	Q515	C - 11	D1810	D - 8
Q516	Q516	G - 7	D1811	D - 8
Q517	Q517	A - 4		
Q518	Q518	A - 4		
Q519	Q519	C - 4		
Q520	Q520	C - 2		
Q521	Q521	C - 2		
Q522	Q522	C - 2		
Q523	Q523	C - 3		
Q530	Q530	B - 11		
Q531	Q531	A - 1		
Q532	Q532	A - 5		
Q801	Q801	E - 6		
Q802	Q802	F - 5		
Q803	Q803	E - 5		
Q804	Q804	F - 6		
Q805	Q805	E - 5		
Q806	Q806	F - 6		
Q807	Q807	F - 6		
DIODE			VARIABLE RESISTOR	
D505	D505	C - 10	RV1601	B - 7
D506	D506	B - 11	RV1602	A - 8
D507	D507	B - 11	RV1603	A - 7
D508	D508	F - 7		
D509	D509	G - 8		
D510	D510	F - 11		
D511	D511	F - 7		
D512	D512	G - 12		
D513	D513	E - 9		
D515	D515	G - 11		
D516	D516	E - 10		
D517	D517	B - 10		
D519	D519	B - 11		
D520	D520	D - 5		
D521	D521	C - 10		
D522	D522	C - 9		
D523	D523	F - 11		
D524	D524	C - 9		
D525	D525	C - 11		
D526	D526	B - 11		
D530	D530	E - 2		
D531	D531	E - 2		



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



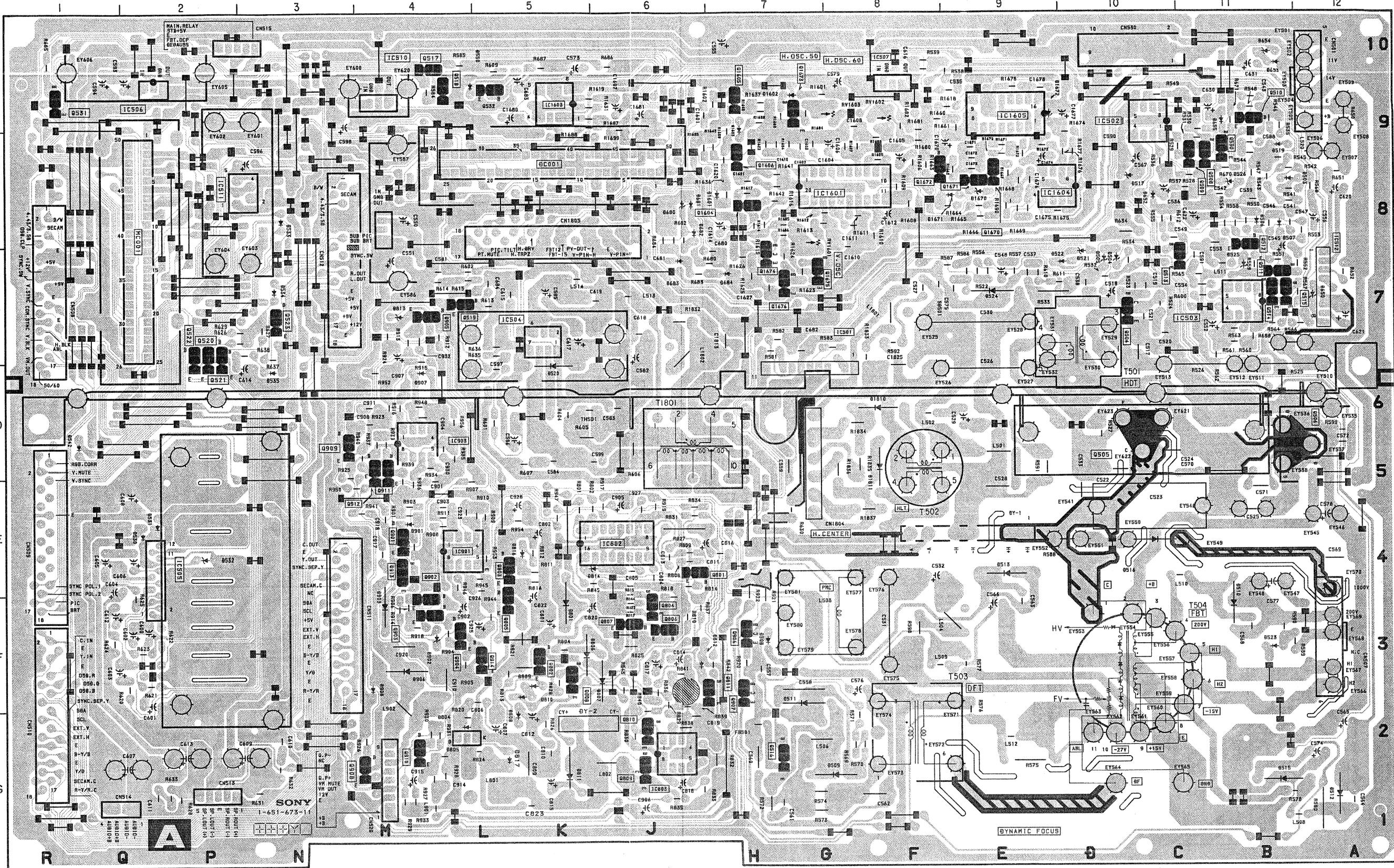
A SYNC OSC, DYNAMIC CONV, H. SFT. CONTROL,
V. PARA. OUT, DQP DRIVE, H/V OUT,
HV PROTECT, AUDIO AMP, DF DRIVE

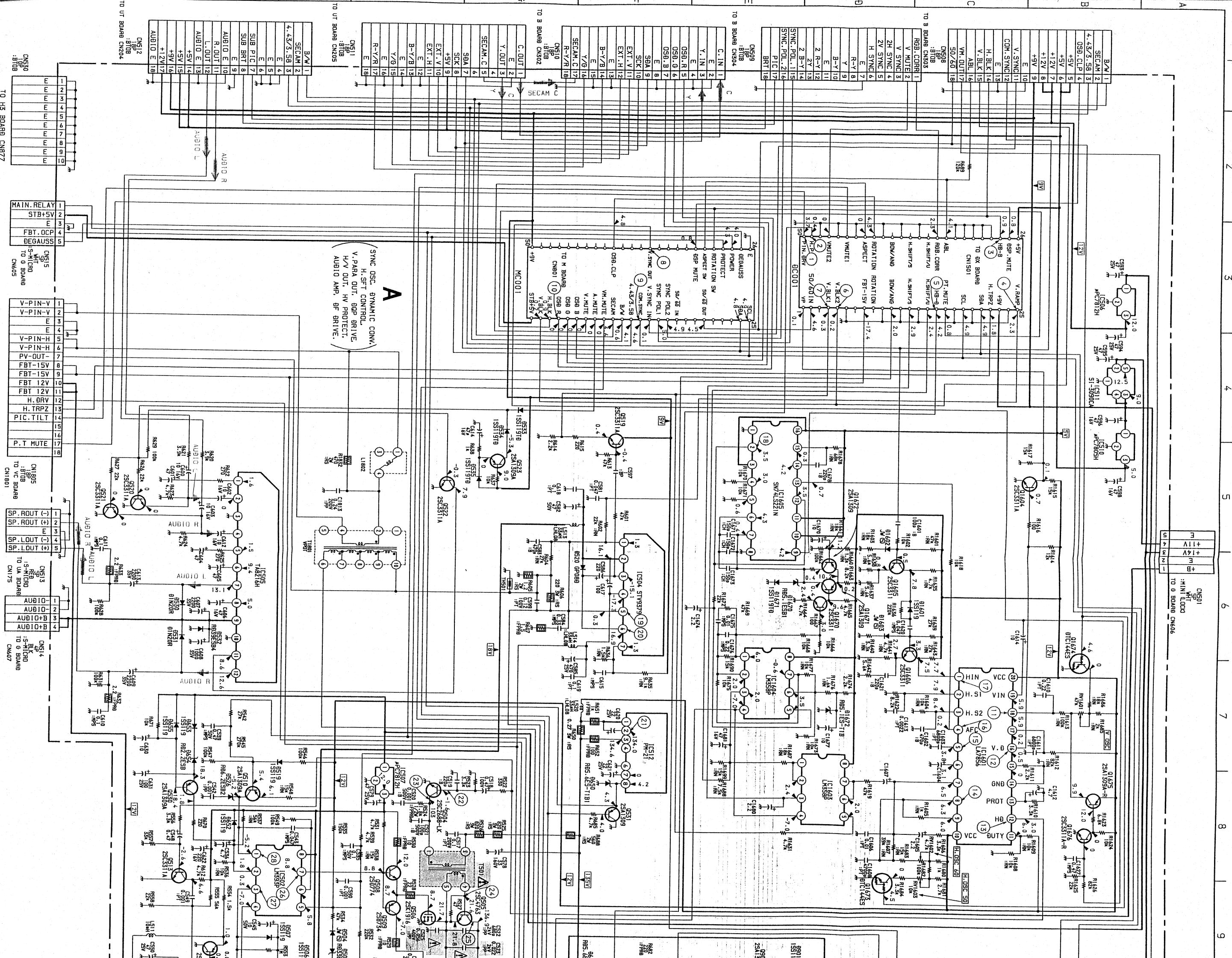
- A BOARD -

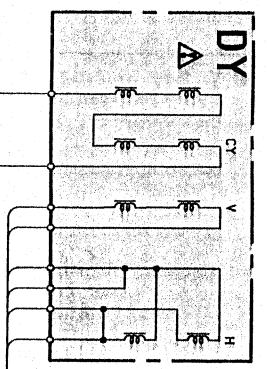
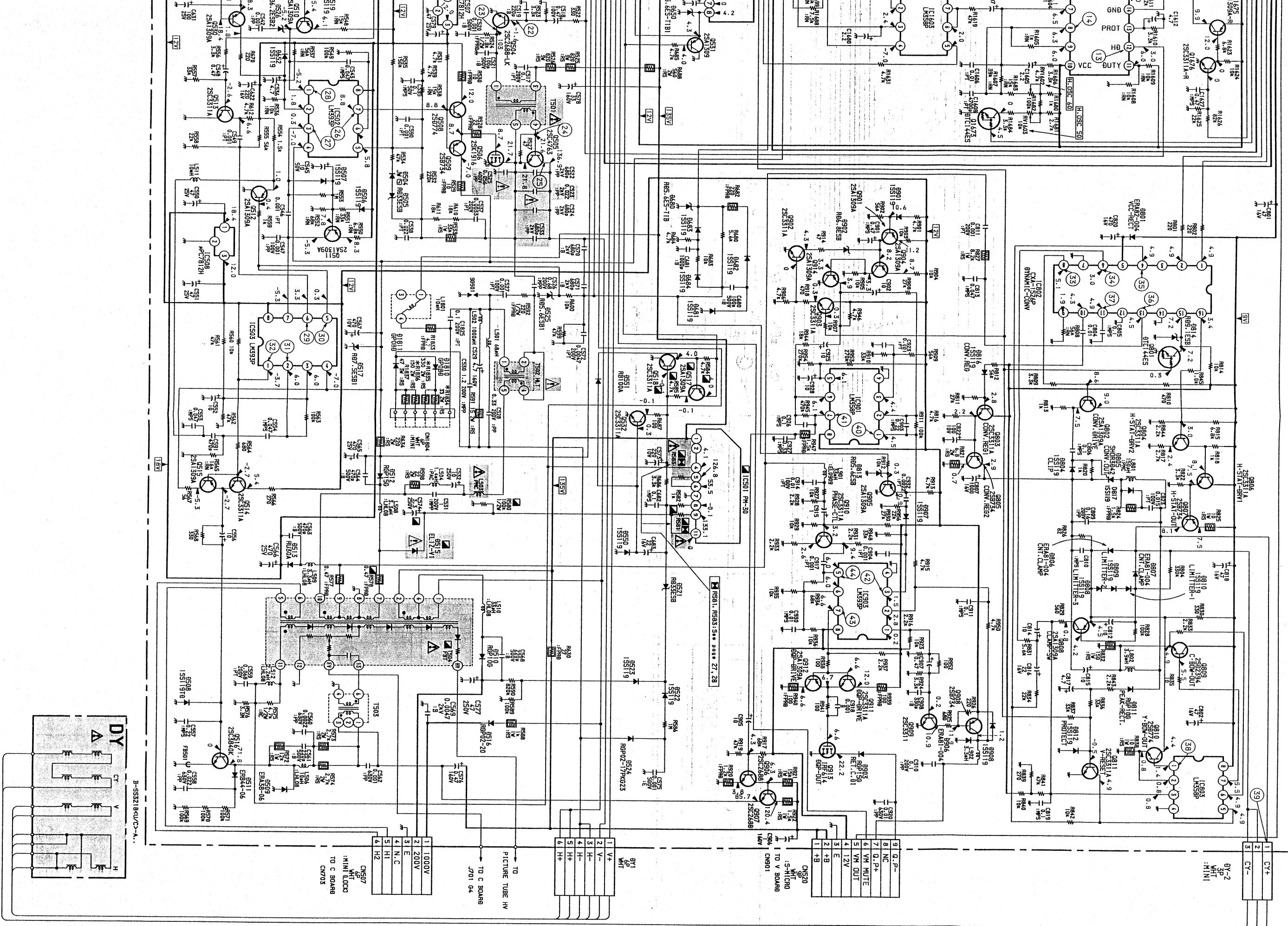
D532	E - 2
D533	B - 3
D534	C - 3
D535	D - 3
D542	D - 1
D550	
D650	C - 12
D652	B - 10
D653	A - 11
D654	A - 11
D655	A - 11
D680	B - 6
D681	B - 6
D682	B - 6
D683	C - 6
D684	C - 7
D801	F - 5
D804	G - 4
D805	G - 4
D806	F - 5
D807	F - 6
D808	F - 5
D809	F - 5
D810	F - 5
D811	G - 5
D812	F - 6
D813	C - 4
D814	E - 5
D816	E - 5
D901	E - 4
D902	F - 4
D903	F - 4
D906	F - 4
D907	D - 4
D908	F - 4
D1601	B - 7
D1670	B - 9
D1671	B - 9
D1672	
D1810	D - 8
D1811	D - 8

VARIABLE RESISTOR

RV1601	B - 7
RV1602	A - 8
RV1603	A - 7



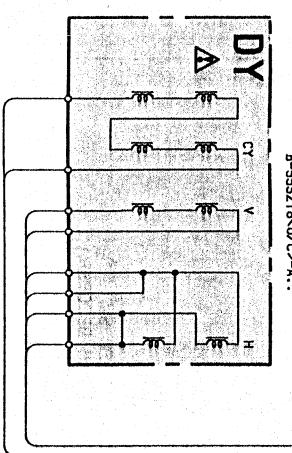
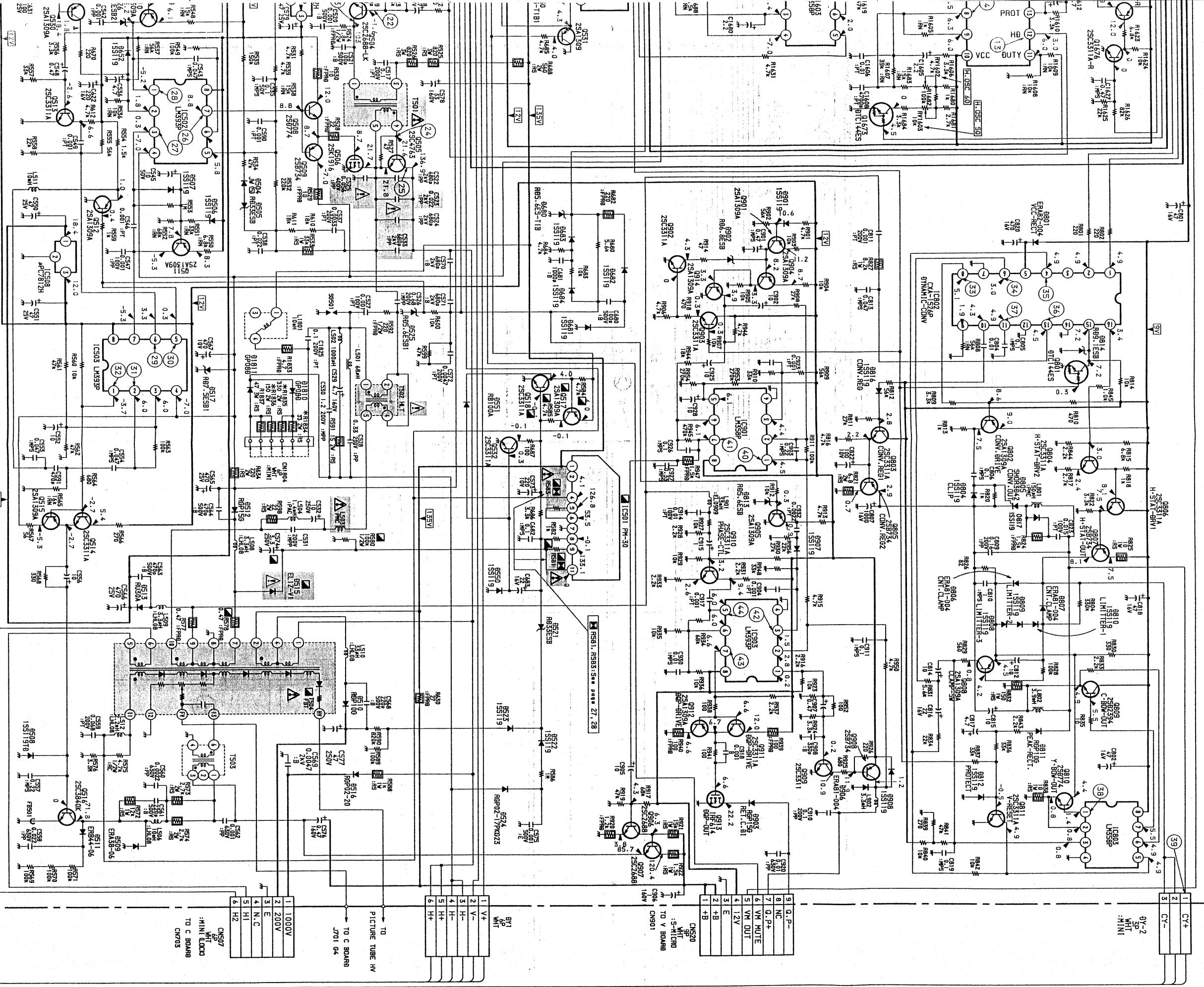




B-55321 BC/CD-A..

A BOA

Ref. No.	Lc
R1834	H
R1835	H
R1836	H

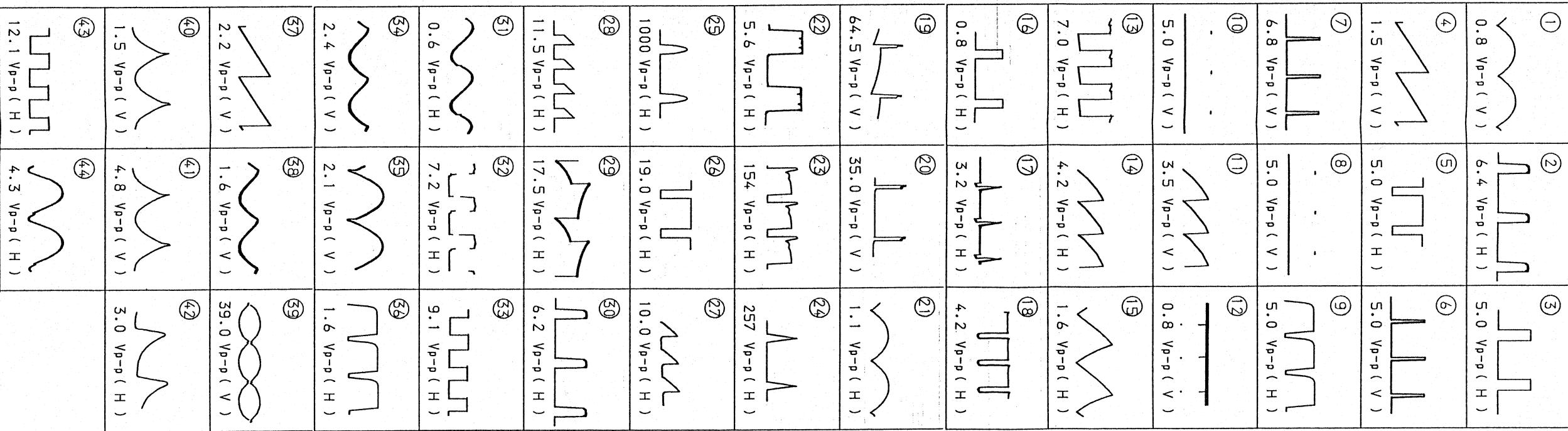


A BOARD

B-553218<U/C>-A.

Ref. No.	Location
R1834	H - 11
R1835	H - 11
R1836	H - 11

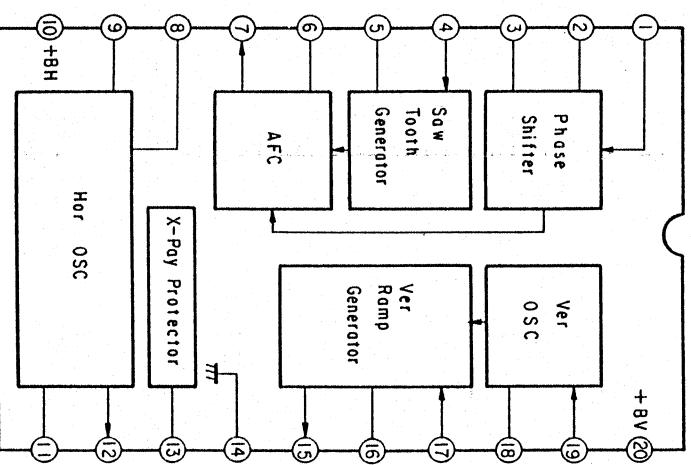
• A BOARD WAVEFORMS



A BOARD

D505	LIMITTER	I6508	12V REG
D506	TEMP CORR	I6510	5V REG
D507	CLAMP	I6511	9V REG
D508	PROTECT	I6512	+ B PROTECT
D509	DF AMP	I6502	DYNAMIC CONV
D510	200V RECT	I6503	F-BQF AMP
D511	SNUBBER	I6501	V PARA OUT
D512	-15V RECT	I6503	DOP-DRV
D513	15V RECT	I6501	SYNC OSC
D515	120V RECT	I6503	AFC CORR
D516	G2 RECT	I6504	H SFT OUT
D517	REF VOLT	I6505	H SFT OUT
D519	TEMP CORR		
D520	V BOOST	0504	H DRIVE
D521	PROTECT 4	0505	H OUT
D522	PROTECT 5	0506	PIN OUT
D523	PROTECT 6	0509	PIN DRV
D524	PEAK RECT	0510	C SPLY
D525	H BLK 1	0511	I SOURCE
D526	DC SHIFT	0512	H PLS
D530	PROTECT	0513	INVERT
D531	PROTECT	0514	DF OUT 1
D532	PROTECT	0515	DF OUT 2
D533	SW	0516	DF OUT
D534	SW	0517	PROTECT 1
D535	SW	0518	PROTECT 2
D542	ABL SW	0519	V BLK OUT
D550	SW	0520	MUTE
D650	PROTECT	0521	MUTE
D652	PROTECT	0522	PROTECT
D653	HOLD	0523	PROTECT
D655	RETURN	0530	PROTECT
D660	H BLK 2	0531	PROTECT SW
D681	RECT	0532	PROTECT 3
D682	FP SW	0601	H SYNC SW
D683	SW	0802	CONV DRIVE
D684	BP RECT	0803	CONV REG 1
D801	VOC RECT	0804	H STAT DRV 2
D804	CLIP	0805	CONV REG 2
D805	CONT OUT	0806	J STAT DRV 1
D806	CNT CLAMP	0807	H STAT OUT
D807	ON/T CLAMP	0808	CLAMP SW
D808	LIMITTER 3	0809	C BOW OUT
D809	LIMITTER 2	0810	Y BOW OUT
D810	RESET	0811	V RESET
D811	PEAK RECT	0901	C SPY
D812	PROTECT	0902	V PULSE SW
D813	PLS CLIP	0903	BUFF
D814	PROTECT	0904	V SAW OUT
D816	CONV REG	0905	PLS OUT
D901	C SPY	0906	DF SOURCE 1
D902	6.8V CLAMP	0907	DF SOURCE 2
D903	RET C DI	0908	OP V OUT
D906	OP V OUT	0909	OP V DRV
D907	S SAW SW	0910	PHASE CTL
D908	OP V OUT	0911	DOP DRIVE
D1601	SYNC FILTER	0912	DOP DRIVE
D1670	PROTECT	0913	DOP OUT
D1671	PROTECT	0914	V SAW OUT
D1672	REF VOLT	0915	V SYNC OUT
D1810	H CENT 1	0916	OP 605
D1811	H CENT 2	0917	OP 606
		0918	SYNC DRIVE
		0919	H S DRV
		0920	CURR OUT
		0921	PROTECT
		0922	FV SW
		0923	FV SW
		0924	FV SW
		0925	SYNC SW
		0926	SYNC SW
		0927	SYNC SW
		0928	SYNC SW
		0929	SYNC SW
		0930	SYNC SW
		0931	SYNC SW
		0932	SYNC SW
		0933	SYNC SW
		0934	SYNC SW
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		0936	SYNC SW
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		0938	SYNC SW
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		0942	SYNC SW
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		0946	SYNC SW
		0947	SYNC SW
		0948	SYNC SW
		0949	SYNC SW
		0950	SYNC SW
		0951	SYNC SW
		0952	SYNC SW
		0953	SYNC SW
		0954	SYNC SW
		0955	SYNC SW
		0956	SYNC SW
		0957	SYNC SW

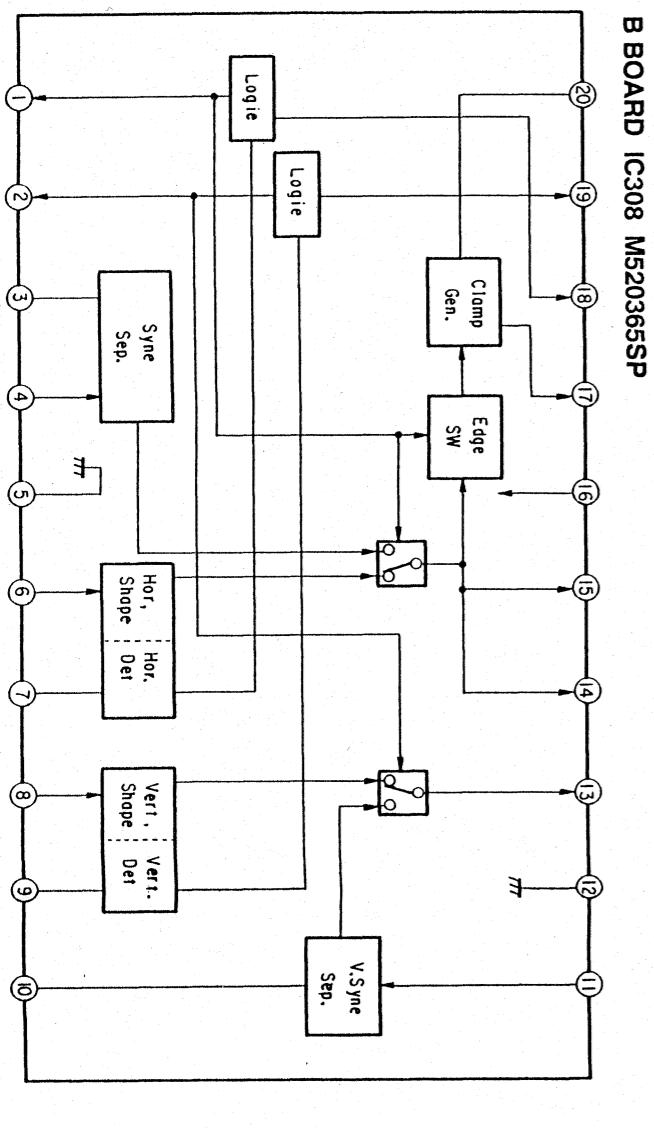
A BOARD IC1601 LA7856



A BOARD * MARK

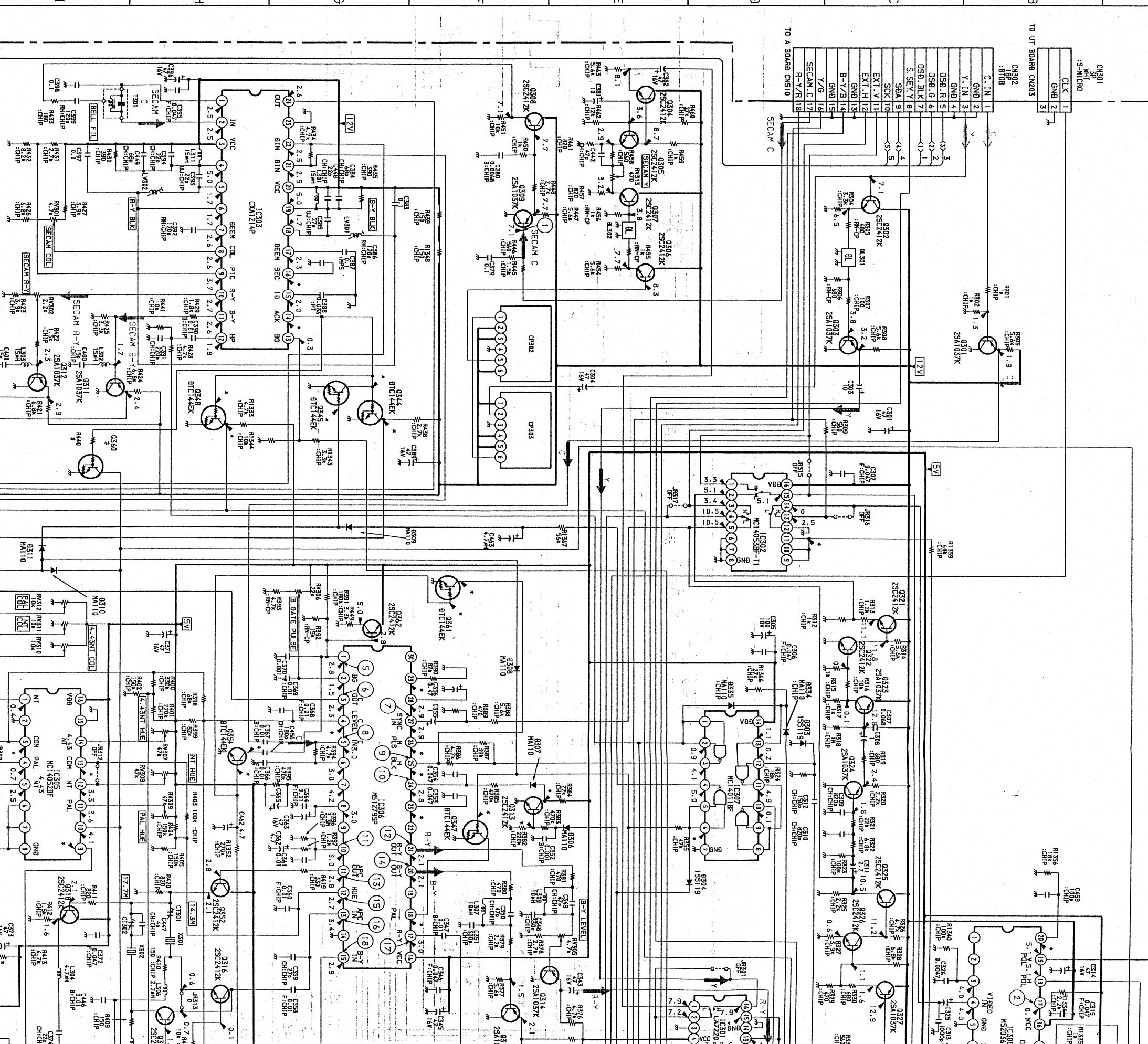
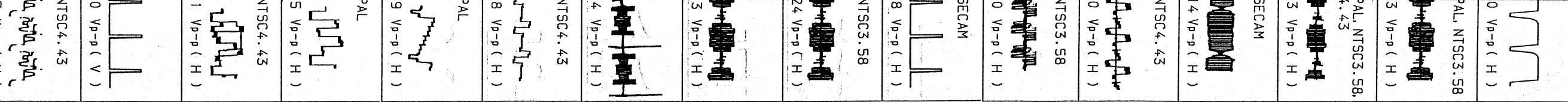
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R1834	H - 11	33 2W: RS	0.22 2W: RS
R1835	H - 11	330 2W: RS	100 2W: RS
R1836	H - 11	150 2W: RS	330 2W: RS

B BOARD



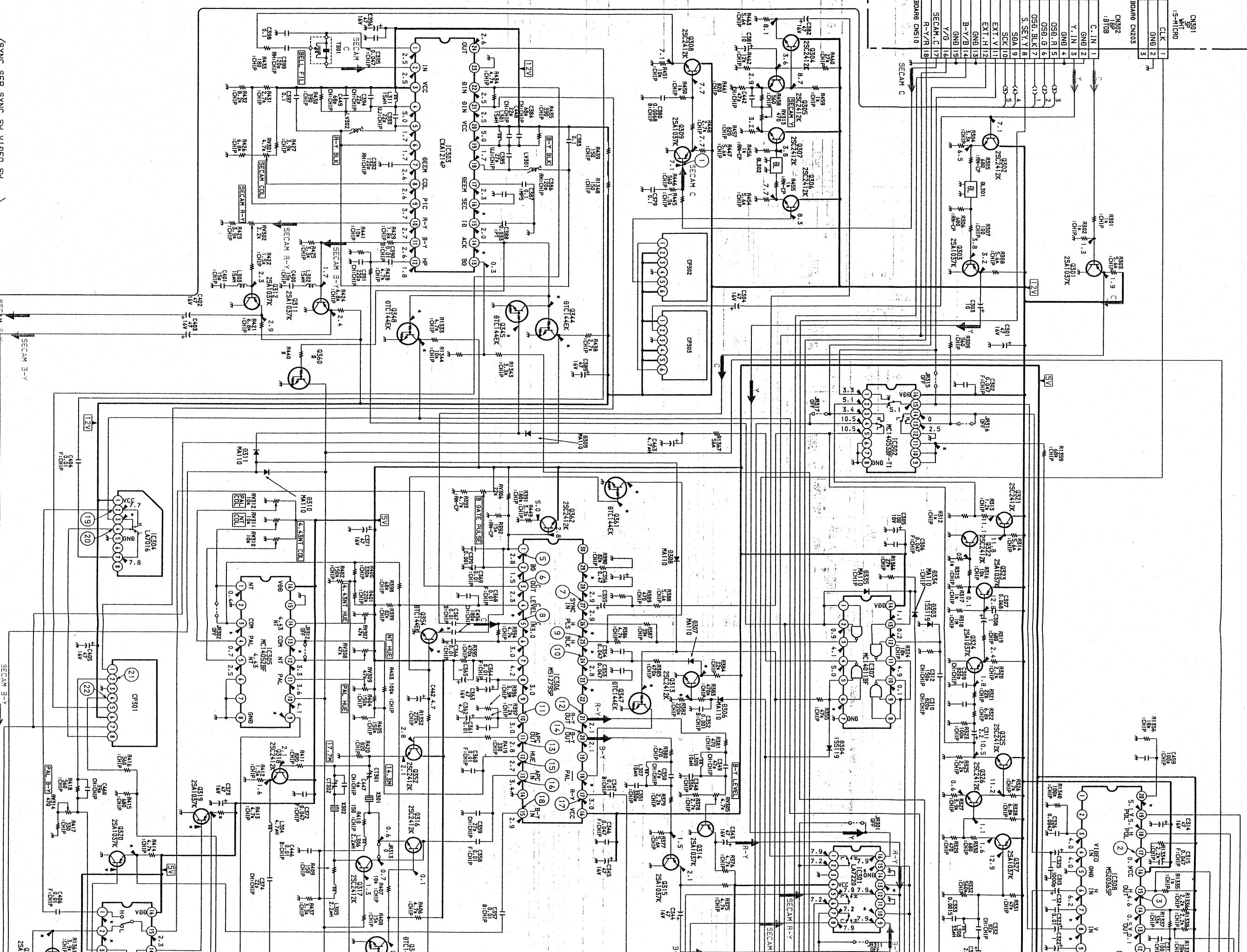
B BOARD * MARK

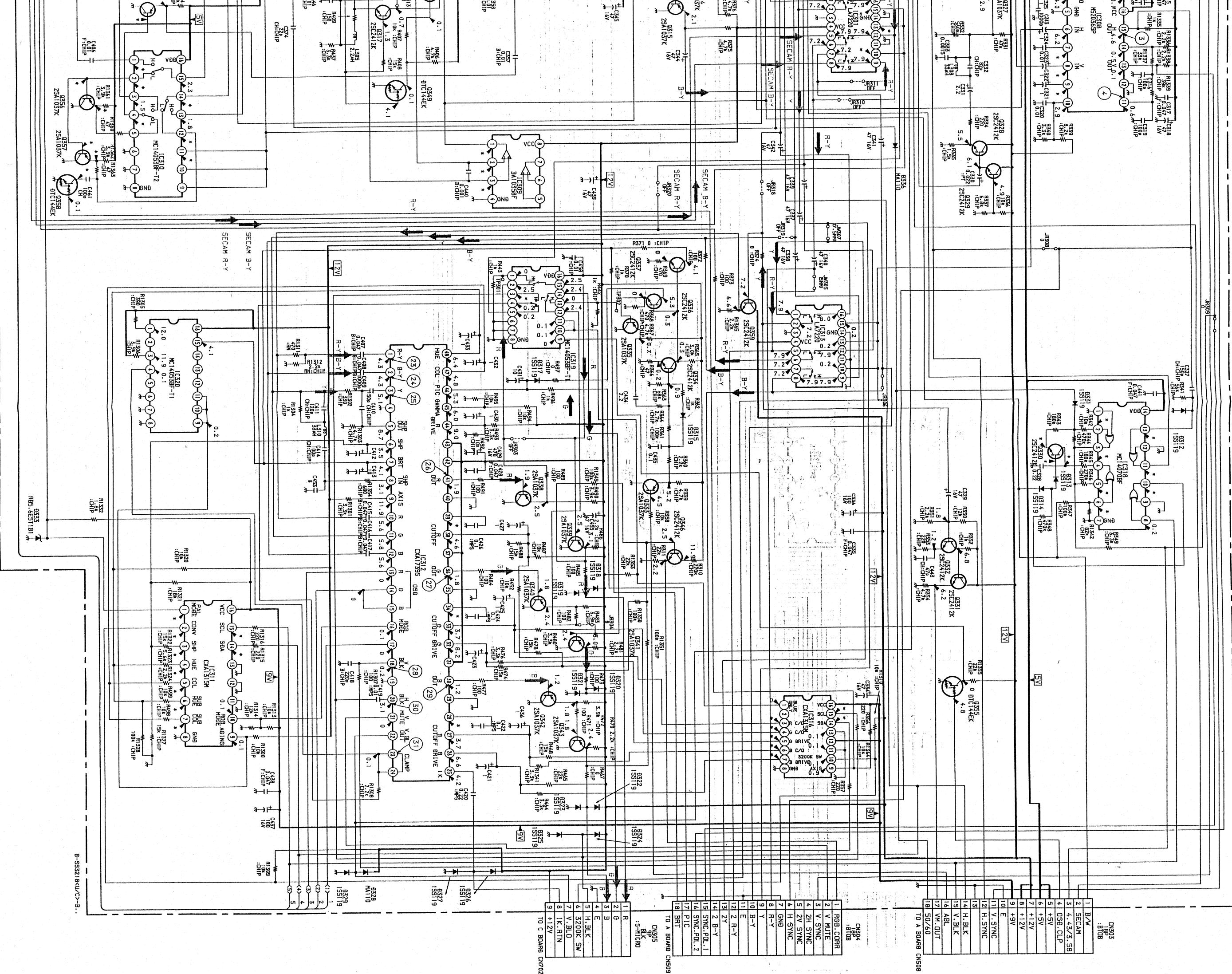
D303	PROTECT	0305	Y AMP	REF. NO	PAL	SECAM	NTSC	NTSC
D304	B/W SW	0306	Y BUFF				3.58	4.43
D306	B/W SW	0307	Y BUFF	IC301	⑩	1.10	0.1	1.10
D307	B/W SW	0308	C BUFF		11.0	0.1	11.0	11.0
D308	PAL SW	0309	C BUFF	IC302	⑨	11.0	0.1	11.0
D309	SECAM KILLER SW	0311	B-Y BUFF		0.3	0.4	0.6	0.2
D310	PAL SW	0312	RY BUFF	IC302	⑩	0.2	0.3	0.6
D311	PAL SW	0313	B-W SW		0.2	0.4	0.5	0.2
D312	PROTECT	0314	RY BUFF	IC303	④	0	3.7	0
D313	SYSTEM DETECT	0315	B-Y BUFF		1.1	0.1	1.1	0.1
D314	SYSTEM DETECT	0316	14M SW	IC304	⑤	0.3	0	4.6
D315	ABL	0317	17M SW	IC305	③	0.8	0.7	0.8
D316		0318	VCOO BUFF		4.1	4.1	4.1	0.3
D317	PIC ABL	0319	RY BUFF	IC306	④	3.6	3.6	2.6
D318	PROTECT	0320	B-Y BUFF		1.1	1.1	2.6	3.0
D319	PROTECT	0321	BUFF	IC307	③	0	0	0
D320	PROTECT	0322	INVERT	IC308	⑦	0.7	1.2	1.2
D321	PROTECT	0323	V SYNC SEP		3.7	3.7	3.7	4.1
D322	PROTECT	0324	BUFF	IC309	④	0.9	0.9	0.6
D323	PROTECT	0325	BUFF		4.1	4.1	1.1	0.2
D324	PROTECT	0326	INVERT	IC309	⑥	1.1	4.1	1.1
D325	PROTECT	0327	SYNC SEP		1.2	1.2	1.2	1.2
D326	PROTECT	0328	SYNC BUFF	IC309	⑦	6.2	6.2	6.2
D327	PROTECT	0329	CLAMP		3.0	3.0	3.0	2.5
D328	PROTECT	0330	SYSTEM DETECT	IC309	⑧	2.1	3.4	3.4
D329	PROTECT	0331	BUFF		1.1	1.1	0.6	0.4
D331	SYSTEM SW	0332	VM AMP	IC309	⑨	2.5	2.6	3.0
D332	PROTECT	0333	ABL BUFF		1.7	1.7	1.7	0.2
D333	BLK SW	0334	ABL AMP	IC310	②	3.5	3.4	2.3
D334	BLK SW	0335	ABL		1.5	1.5	1.5	2.9
D335	BLK SW	0336	PIC ABL	IC310	④	5.0	5.0	2.9
D336	PROTECT	0337	NO SIGNAL SW		4.0	4.0	4.0	0.3
D337	NO SIGNAL SW	0338	R BUFF	IC310	⑩	4.1	4.0	0.3
D338	VIDEO SW	0339	R BUFF		4.1	4.1	4.0	0.3
D339	SYNC SW	0340	G BUFF	IC310	⑪	5.0	5.0	2.9
D340	SECAM DECODER	0341	G BUFF		1.8	1.8	1.8	2.9
D341	PAL/SECAM SW	0342	B BUFF	IC311	①	0	11.9	0.6
D342	SYSTEM SW	0343	B BUFF		0.2	11.9	0.6	0.6
D343	NT/PAL SW	0344	INVERT	IC311	③	4.5	4.1	4.6
D344	INVERT	0345	SECAM KILLER		0	11.9	4.6	4.6
D345	SECAM KILLER	0346	RGB CORR	IC311	⑤	4.6	0.1	4.6
D346	RGB CORR	0347	NT/PAL SW		0	0	4.6	4.6
D347	NT/PAL SW	0348	INVERT	IC311	⑦	0	0	8.0
D348	INVERT	0349	4.43/3.58 SW		4.9	3.4	0.1	4.9
D349	4.43/3.58 SW	0350	VIDEO SW	IC312	⑨	6.4	6.7	7.6
D350	VIDEO SW	0351	D/A CONVERTER		6.9	7.5	7.6	8.2
D351	D/A CONVERTER	0352	BLUE ONLY SW	IC312	⑩	7.0	7.4	8.6
D352	BLUE ONLY SW	0353	RGB DECODER		2.5	0	0	4.5
D353	RGB DECODER	0354	MATRIX SW	IC312	⑪	4.9	4.1	4.9
D354	MATRIX SW	0355	B GATE SW		0.9	0.9	0.4	0.4
D355	B GATE SW	0356	INVERT	IC312	⑫	0	0	0
D356	INVERT	0357	RY BUFF		4.9	4.1	4.9	4.5
D357	RY BUFF	0358	VIDEO SW	IC312	⑬	6.4	6.7	7.6
D358	VIDEO SW	0359	Y BUFF		7.4	7.4	7.4	7.4
D359	Y BUFF	0360	SW	IC312	⑭	7.4	0	1.8
D360	SW	0361	BLK SW		0	1.8	0	1.8
D361	BLK SW	0362	B GATE SW	IC312	⑮	5.7	0	5.7
D362	B GATE SW	0363	NO SIGNAL SW		0	0	2.4	4.9
D363	NO SIGNAL SW	0364	Y BUFF	IC312	⑯	0	2.5	4.9
D364	Y BUFF	0365	Y BUFF		4.8	4.7	1.0	0.3
D365	Y BUFF	0366	EX-OR	IC312	⑰	5.0	5.0	5.0
D366	EX-OR	0367	AGING SW		3.7	3.5	3.4	4.6
D367	AGING SW	0368	C BUFF	IC312	⑱	0.4	0.5	0.2
D368	C BUFF	0369	C BUFF		0.3	0.3	0.3	0.3
D369	C BUFF	0370	Y BUFF	IC312	⑲	0	0.6	0.6
D370	Y BUFF	0371	Y BUFF		0.9	0.9	0.9	0.9
D371	Y BUFF	0372	Y BUFF	IC312	⑳	0	0	0
D372	Y BUFF	0373	Y BUFF		0.9	0.9	0.9	0.9
D373	Y BUFF	0374	Y BUFF	IC312	㉑	0	0	0
D374	Y BUFF	0375	Y BUFF		0.9	0.9	0.9	0.9
D375	Y BUFF	0376	Y BUFF	IC312	㉒	0	0	0
D376	Y BUFF	0377	Y BUFF		0.9	0.9	0.9	0.9
D377	Y BUFF	0378	Y BUFF	IC312	㉓	0	0	0
D378	Y BUFF	0379	Y BUFF		0.9	0.9	0.9	0.9
D379	Y BUFF	0380	Y BUFF	IC312	㉔	0	0	0
D380	Y BUFF	0381	Y BUFF		0.9	0.9	0.9	0.9
D381	Y BUFF	0382	Y BUFF	IC312	㉕	0	0	0
D382	Y BUFF	0383	Y BUFF		0.9	0.9	0.9	0.9
D383	Y BUFF	0384	Y BUFF	IC312	㉖	0	0	0
D384	Y BUFF	0385	Y BUFF		0.9	0.9	0.9	0.9
D385	Y BUFF	0386	Y BUFF	IC312	㉗	0	0	0
D386	Y BUFF	0387	Y BUFF		0.9	0.9	0.9	0.9
D387	Y BUFF	0388	Y BUFF	IC312	㉘	0	0	0
D388	Y BUFF	0389	Y BUFF		0.9	0.9	0.9	0.9
D389	Y BUFF	0390	Y BUFF	IC312	㉙	0	0	0
D390	Y BUFF	0391	Y BUFF		0.9	0.9	0.9	0.9
D391	Y BUFF	0392	Y BUFF	IC312	㉚	0	0	0
D392	Y BUFF	0393	Y BUFF		0.9	0.9	0.9	0.9
D393	Y BUFF	0394	Y BUFF	IC312	㉛	0	0	0
D394	Y BUFF	0395	Y BUFF		0.9	0.9	0.9	0.9
D395	Y BUFF	0396	Y BUFF	IC312	㉜	0	0	0
D396	Y BUFF	0397	Y BUFF		0.9	0.9	0.9	0.9
D397	Y BUFF	0398	Y BUFF	IC312	㉝	0	0	0
D398	Y BUFF	0399	Y BUFF		0.9	0.9	0.9	0.9
D399	Y BUFF	0400	Y BUFF	IC312	㉞	0	0	0
D400	Y BUFF	0401	Y BUFF		0.9	0.9	0.9	0.9
D401	Y BUFF	0402	Y BUFF	IC312	㉟	0	0	0
D402	Y BUFF	0403	Y BUFF		0.9	0.9	0.9	0.9
D403	Y BUFF	0404	Y BUFF	IC312	㉟	0	0	0
D404	Y BUFF	0405	Y BUFF		0.9	0.9	0.9	0.9
D405	Y BUFF	0406	Y BUFF	IC312	㉟			



B SYNC SEP, SYNC SW, VIDEO SW,
PULSE GENERATOR, SECAM DECODER
NT/PAL DECODER, SYSTEM SW.

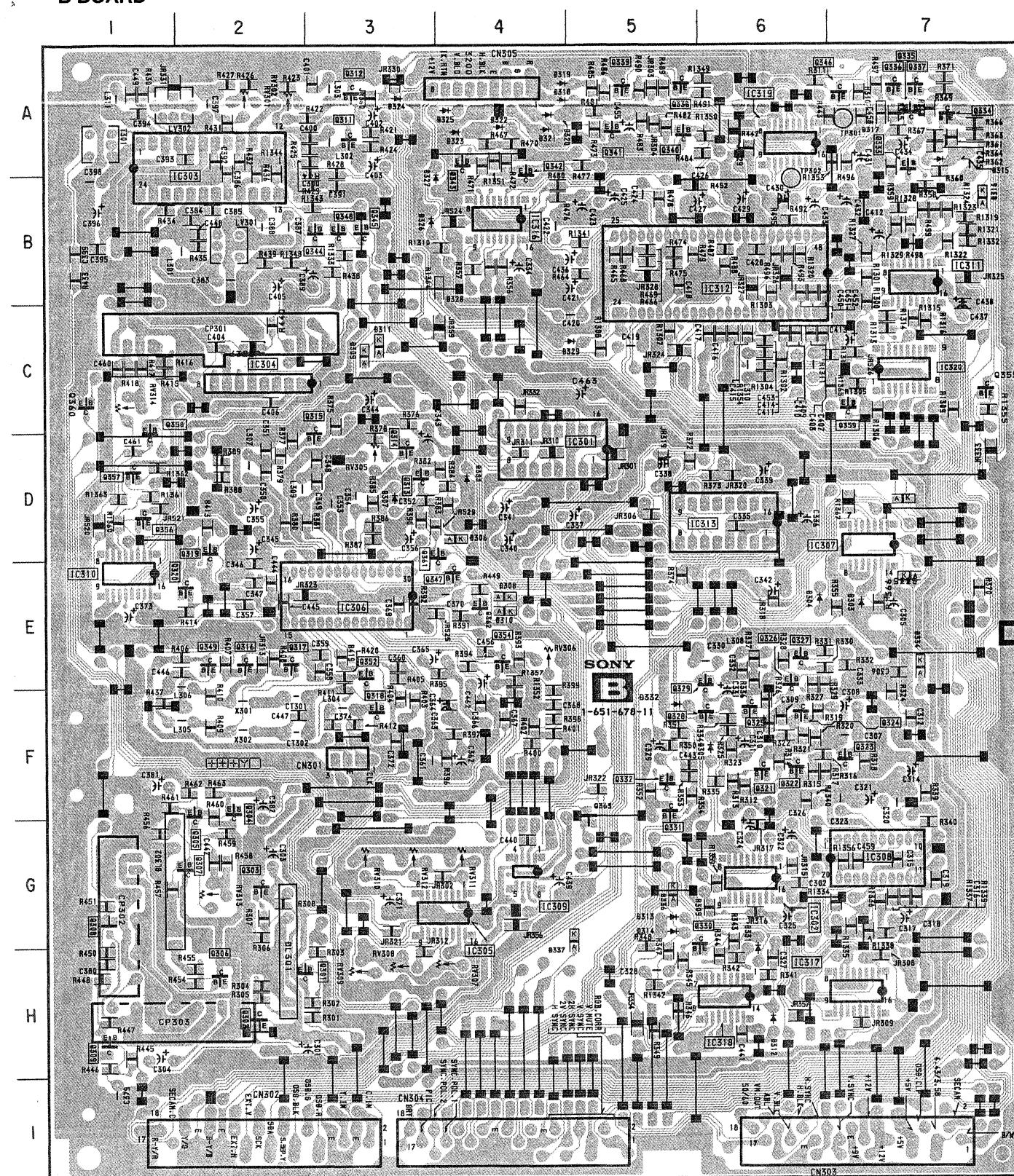
SYNC SEP, SYNC SW, VIDEO SW,
PULSE GENERATOR, SECAM DECODER,
NT/PAL DECODER, SYSTEM SW.





B [SYNC SEP, SYNC SW, VIDEO SW, PULSE GENERATOR,
SECAM DECODER, NT/PAL DECODER, SYSTEM SW,
RGB DECODER, D/A CONVERTER,

- B BOARD -



B BOARD

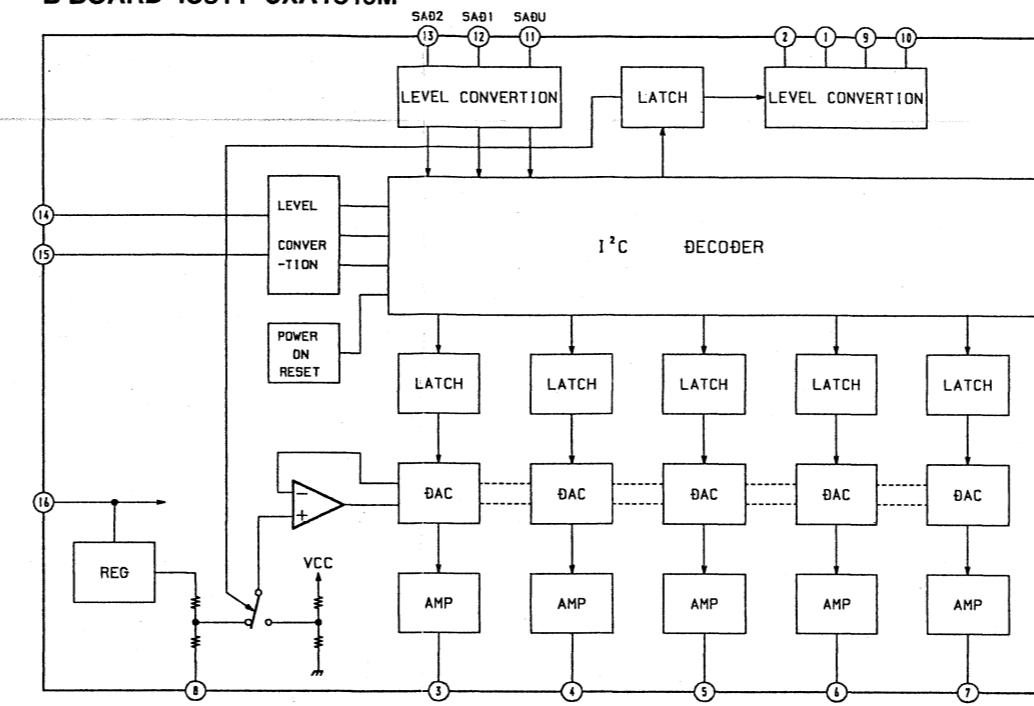
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IC302	G - 6	Q333	A - 7
IC303	A - 1	Q334	A - 7
IC304	C - 2	Q335	A - 7
IC305	G - 3	Q336	A - 7
IC306	E - 3	Q337	A - 7
IC307	D - 7	Q338	A - 5
IC308	G - 7	Q339	A - 5
IC309	G - 4	Q340	A - 5
IC310	E - 1	Q341	A - 5
IC311	B - 7	Q342	A - 4
IC312	B - 5	Q343	A - 4
IC313	D - 5	Q344	B - 2
IC316	B - 4	Q345	B - 3
IC318	H - 6	Q346	A - 6
IC319	A - 6	Q347	E - 3
IC320	C - 7	Q348	B - 3
		Q349	E - 2
		Q350	E - 3
		Q351	E - 4
		Q352	C - 7
		Q353	D - 1
		Q354	D - 1
		Q355	C - 1
		Q356	C - 7
		Q357	D - 1
		Q358	D - 3
		Q359	E - 4
		Q360	C - 1
		Q361	C - 1
		Q362	E - 3
		Q363	E - 4
		Q364	H - 1
		Q365	A - 3
		Q366	A - 3
		Q367	D - 3
		Q368	D - 3
		Q369	D - 2
		Q370	E - 2
		Q371	E - 2
		Q372	F - 3
		Q373	F - 2
		Q374	F - 6
		Q375	F - 6
		Q376	F - 7
		Q377	F - 6
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7

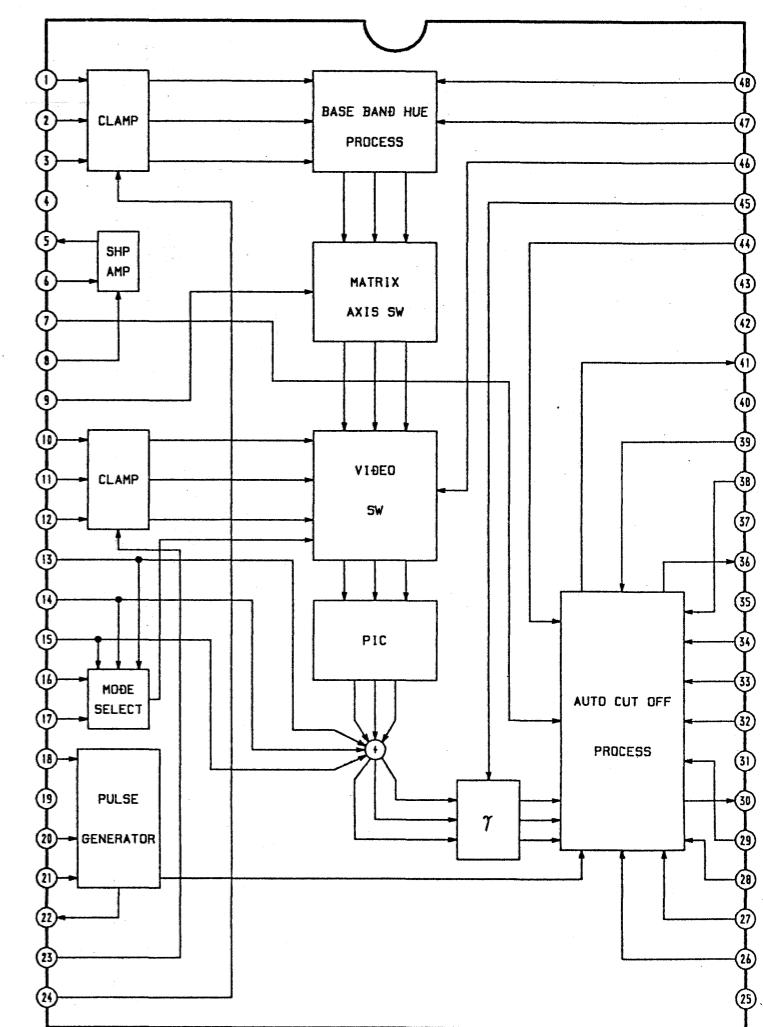
B BOARD

IC	Q332	F - 5	D325	A - 3	
IC301	D - 4	Q333	A - 7	D326	B - 3
IC302	G - 6	Q334	A - 7	D327	A - 3
IC303	A - 1	Q335	A - 7	D328	B - 3
IC304	C - 2	Q336	A - 7	D329	C - 4
IC305	G - 3	Q337	A - 7	D331	G - 6
IC306	E - 3	Q338	A - 5	D333	D - 4
IC307	D - 7	Q339	A - 5	D334	E - 7
IC308	G - 7	Q340	A - 5	D335	E - 7
IC309	G - 4	Q341	A - 5	D336	G - 5
VARIABLE RESISTOR					
RV301	A - 2	RV302	A - 2	RV305	D - 3
RV303	B - 3	RV304	E - 3	RV306	E - 4
RV305	A - 6	RV307	B - 3	RV307	H - 3
RV306	E - 3	RV308	E - 2	RV308	H - 3
RV307	C - 7	RV309	E - 4	RV309	H - 3
RV308	D - 1	RV310	C - 7	RV310	G - 3
RV309	D - 1	RV311	D - 1	RV311	G - 4
RV310	C - 1	RV312	C - 1	RV312	G - 3
RV311	C - 7	RV313	D - 3	RV313	G - 2
RV312	E - 4	RV314	E - 4	RV314	C - 1
TRANSISTOR					
Q301	H - 2	Q302	H - 2	Q303	G - 2
Q304	F - 2	Q305	F - 1	Q306	H - 2
Q307	G - 1	Q308	G - 1	Q309	H - 1
Q311	A - 3	Q312	A - 3	Q313	D - 3
Q314	D - 3	Q315	D - 2	Q316	E - 2
Q317	E - 2	Q318	F - 3	Q319	D - 2
Q320	E - 1	Q321	F - 6	Q322	F - 6
Q323	F - 7	Q324	F - 6	Q325	F - 6
Q326	F - 6	Q327	F - 6	Q328	E - 6
Q327	F - 6	Q328	F - 5	Q329	E - 5
Q329	G - 5	Q330	E - 5	Q331	F - 5
Q330	F - 5	Q331	F - 5	Q331	F - 5
Q331	D - 3	Q332	A - 4	Q332	A - 4
Q332	A - 3	Q333	A - 4	Q333	A - 4
Q333	A - 4	Q334	A - 3	Q334	A - 3

B BOARD IC311 CXA1315M

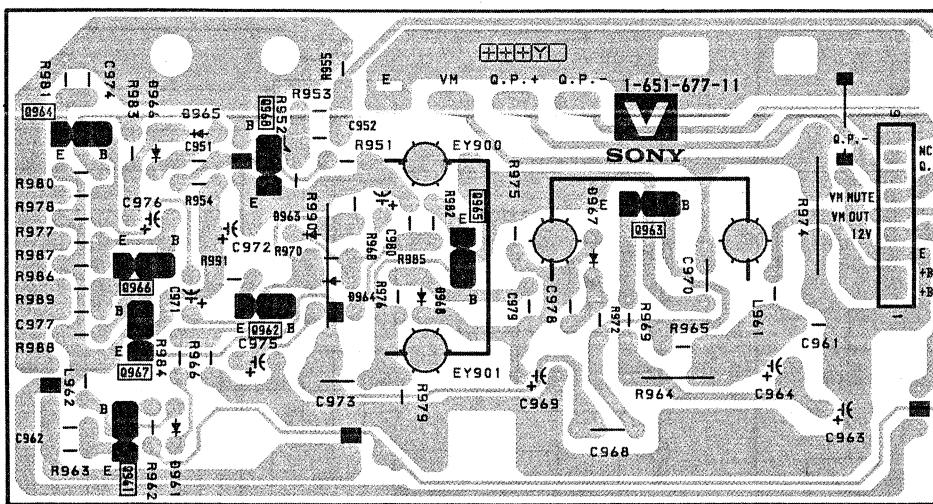


B BOARD IC312 CXA1739S



V [VM AMP] **DX** [SYSTEM CONT] **M** [CPU, MEM]

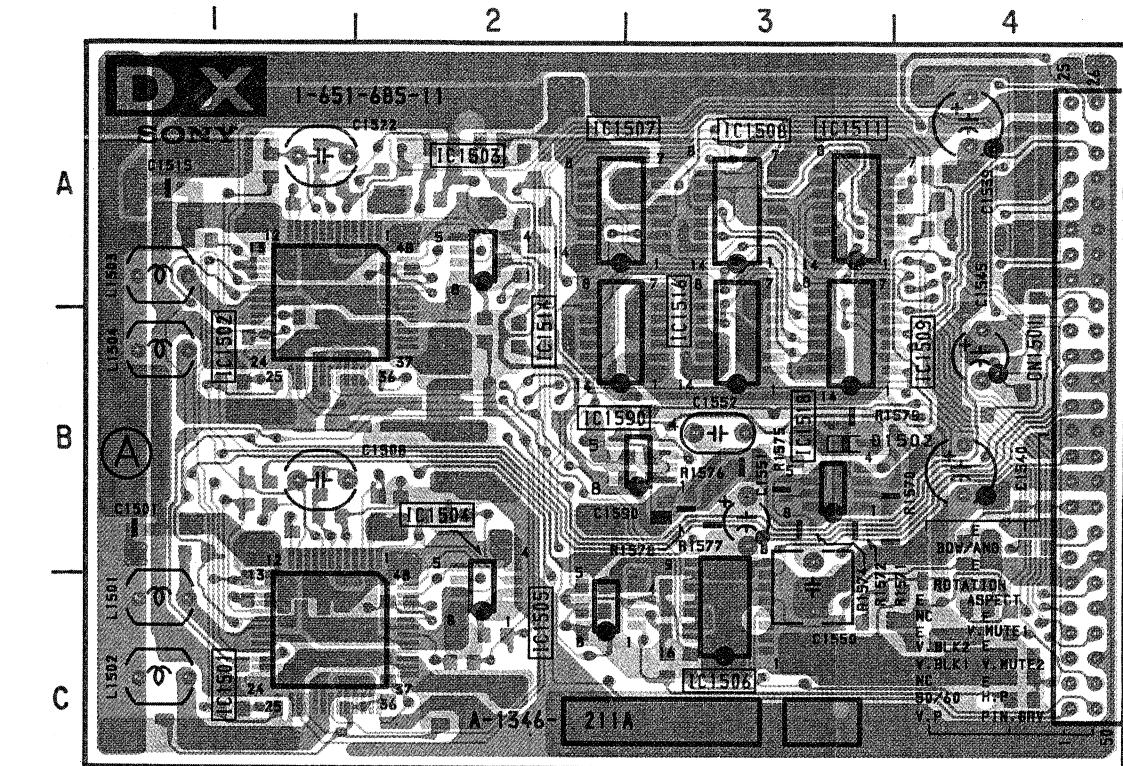
- V BOARD -



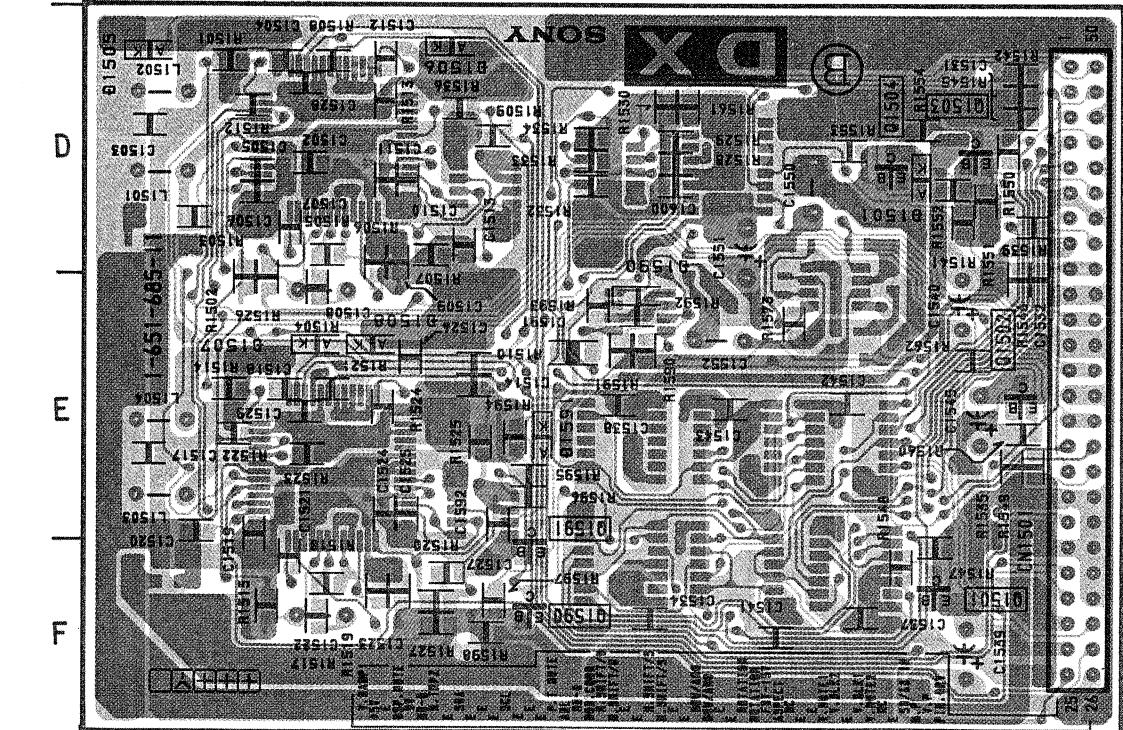
DX BOARD

IC	
IC1501	C - 1
IC1502	B - 1
IC1503	A - 2
IC1504	B - 2
IC1505	C - 2
IC1506	C - 3
IC1507	A - 3
IC1508	A - 3
IC1509	B - 3
IC1511	A - 3
IC1514	B - 3
IC1516	B - 3
IC1518	B - 3
IC1590	B - 3
DIODE	
Q1501	F - 4
Q1502	E - 4
Q1503	D - 4
Q1504	D - 3
Q1590	F - 2
Q1591	E - 2
TRANSISTOR	
D1501	D - 4
D1502	B - 3
D1505	D - 1
D1506	D - 2
D1507	E - 1
D1508	E - 2
D1590	E - 3
D1591	E - 2

- DX BOARD - <Component Side>



<Conductor Side>



M BOARD

IC	
IIC801	A - 2, E - 2
C802	B - 4
IC803	B - 4
IC804	B - 1
IC805	B - 3
IC806	C - 2
DIODE	
D801	A - 4
D802	E - 3
D803	A - 4
D804	E - 3
D805	D - 1
D806	D - 1
D807	D - 1
D808	C - 1
D809	C - 3
D810	D - 1
D811	D - 3
D812	E - 3
D813	D - 3
D814	E - 3

Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- DX BOARD - <Component Side>

DX BOARD

IC

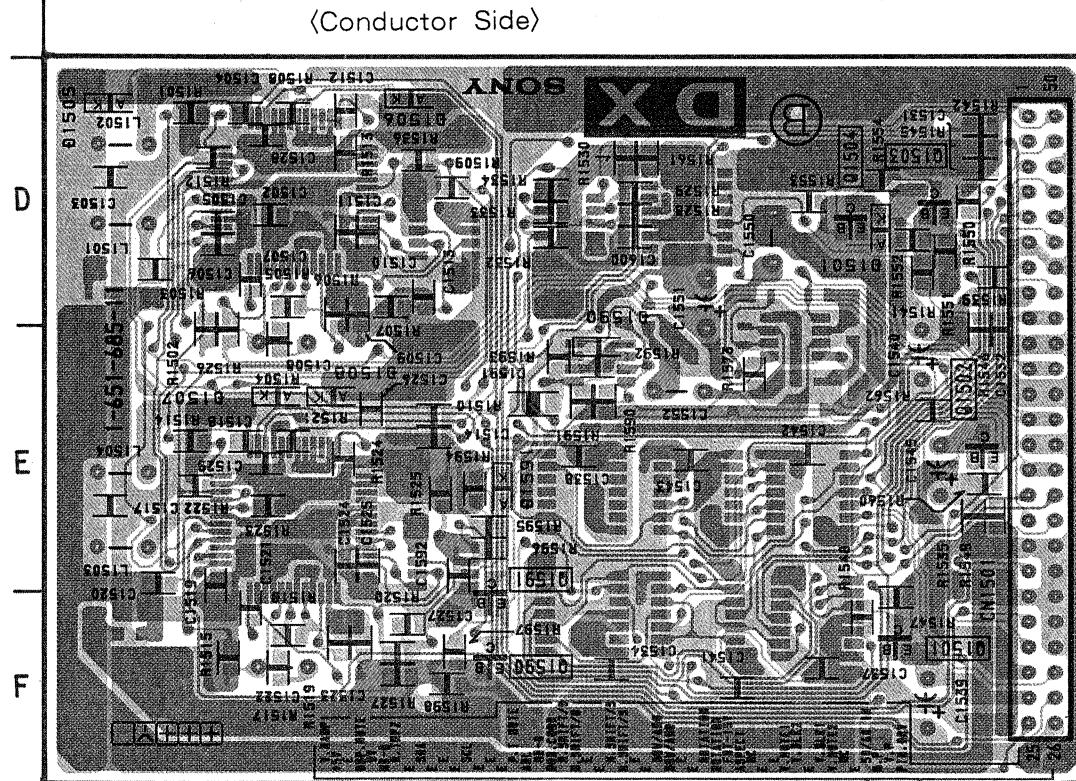
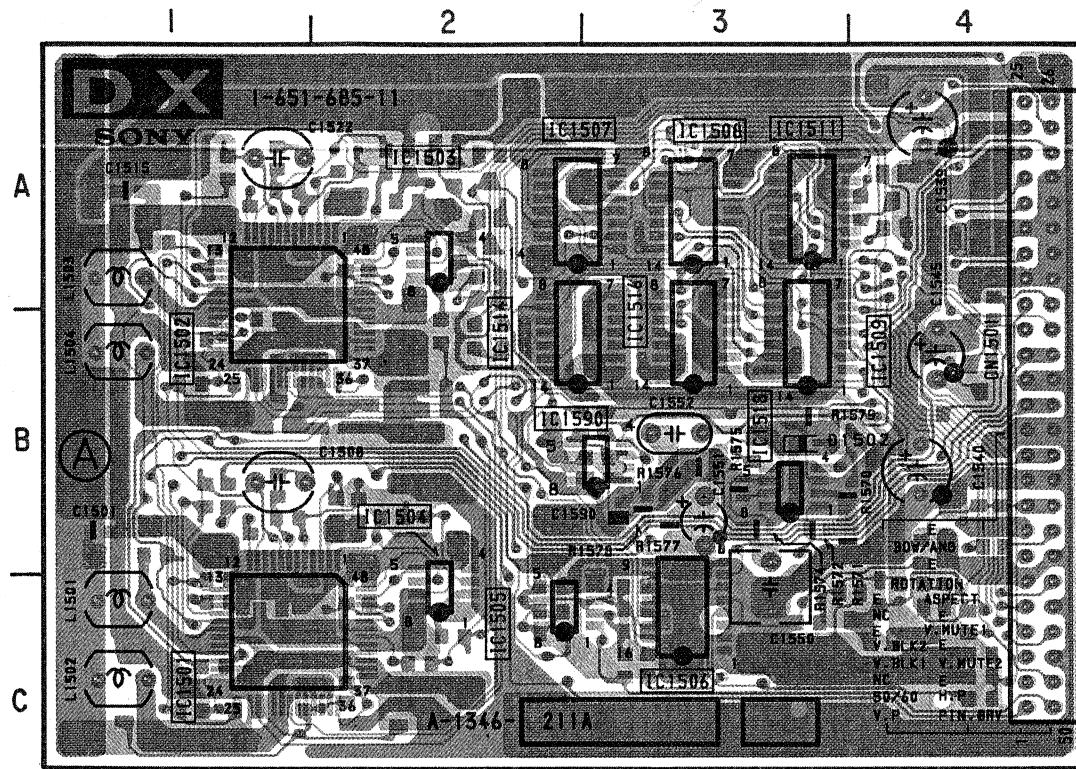
IC1501	C - 1
IC1502	B - 1
IC1503	A - 2
IC1504	B - 2
IC1505	C - 2
IC1506	C - 3
IC1507	A - 3
IC1508	A - 3
IC1509	B - 3
IC1511	A - 3
IC1514	B - 3
IC1516	B - 3
IC1518	B - 3
IC1590	B - 3

DIODE

Q1501	F - 4
Q1502	E - 4
Q1503	D - 4
Q1504	D - 3
Q1590	F - 2
Q1591	E - 2

TRANSISTOR

D1501	D - 4
D1502	B - 3
D1505	D - 1
D1506	D - 2
D1507	E - 1
D1508	E - 2
D1590	E - 3
D1591	E - 2



Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

- M BOARD - <Component Side>

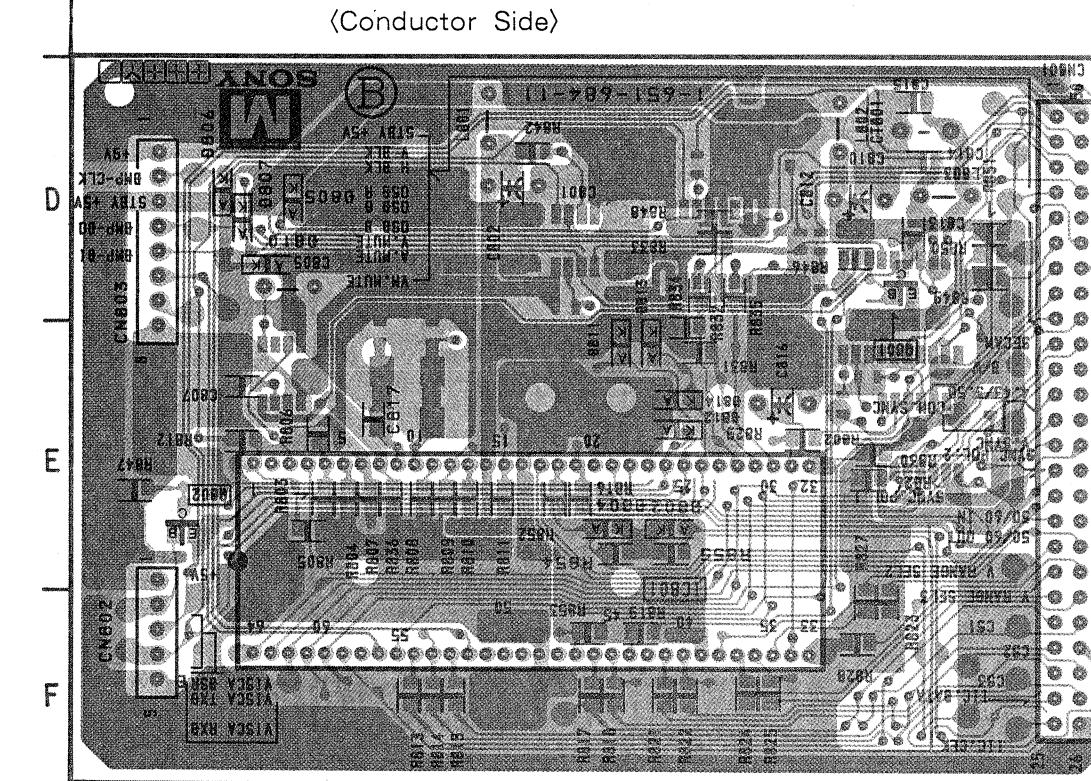
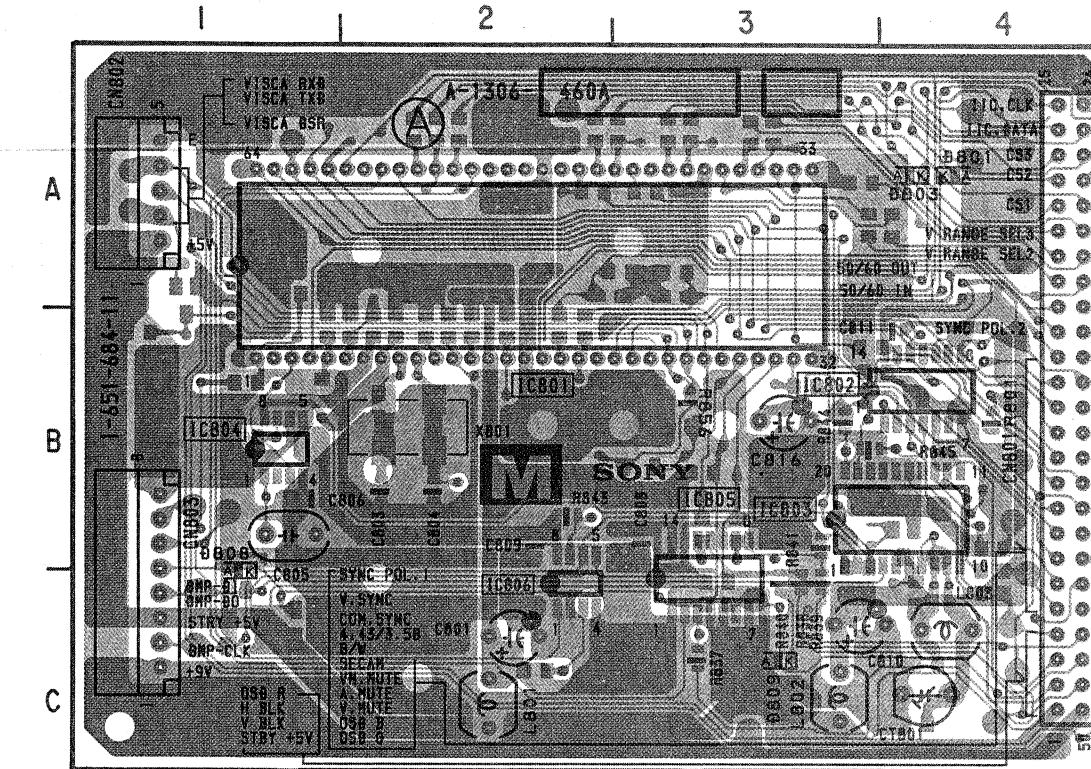
M BOARD

IC

IIC801	A - 2, E - 2
C802	B - 4
IIC803	B - 4
IIC804	B - 1
IIC805	B - 3
IIC806	C - 2

DIODE

D801	A - 4
D802	E - 3
D803	A - 4
D804	E - 3
D805	D - 1
D806	D - 1
D807	D - 1
D808	C - 1
D809	C - 3
D810	D - 1
D811	D - 3
D812	E - 3
D813	D - 3
D814	E - 3

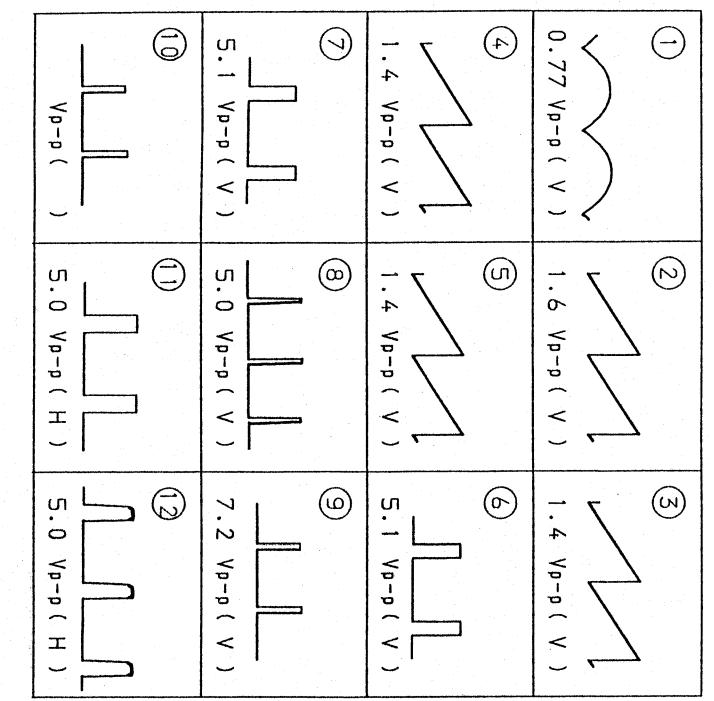


Note :

- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

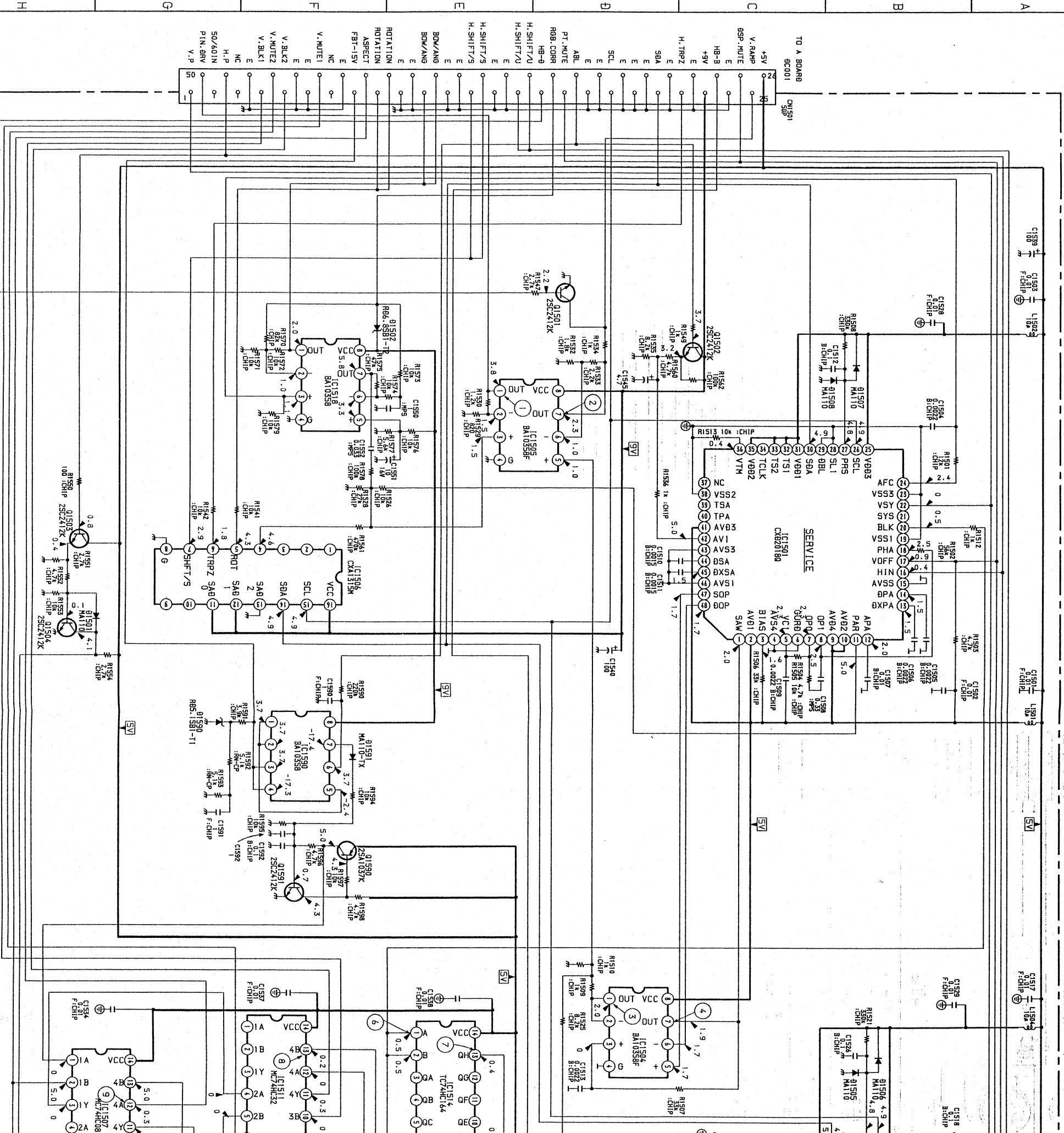
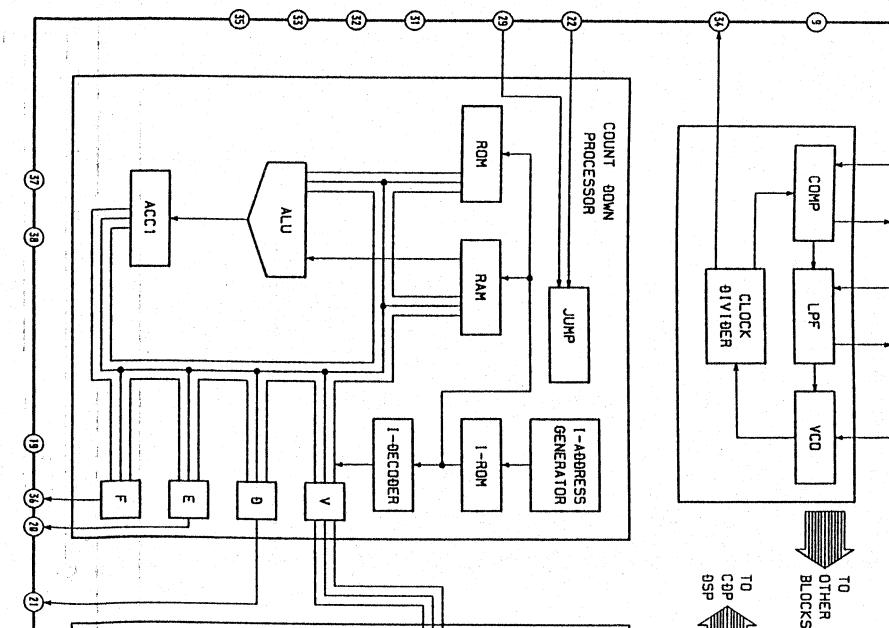
DX BOARD IC1501, 1502 CXD2018Q

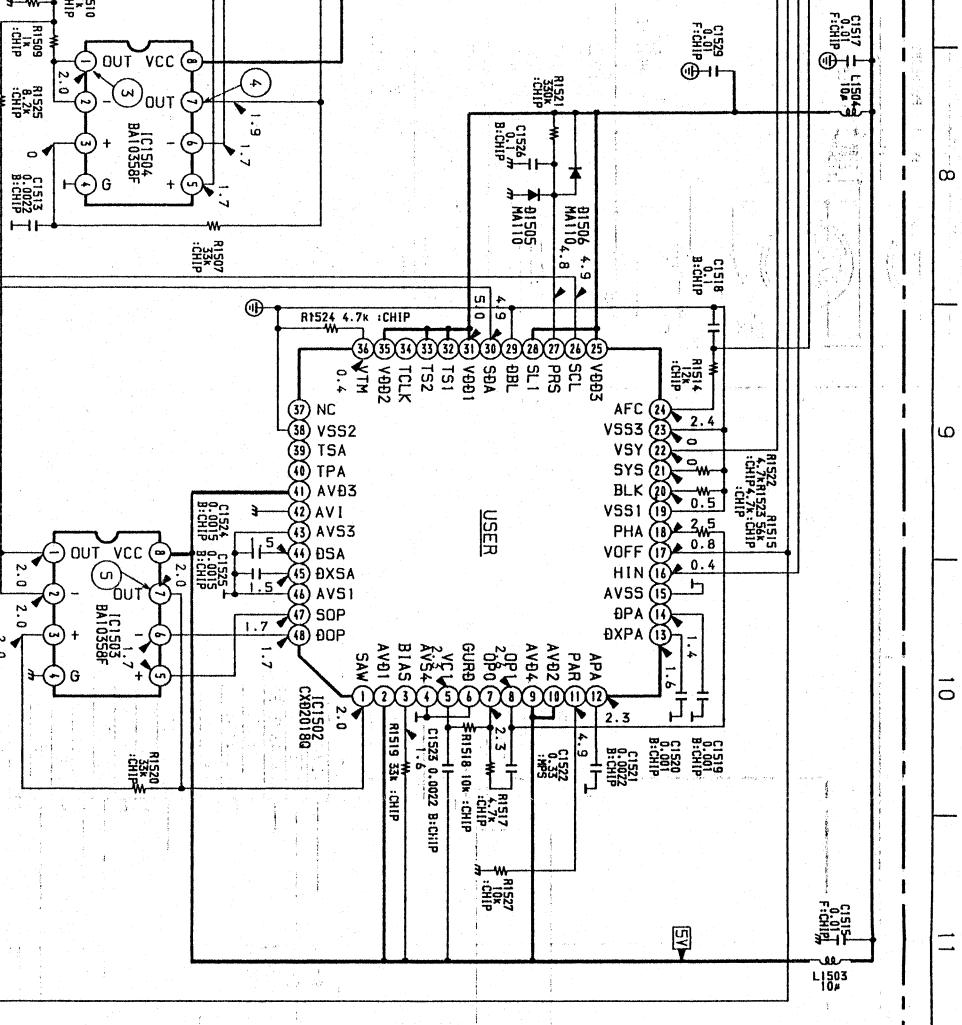
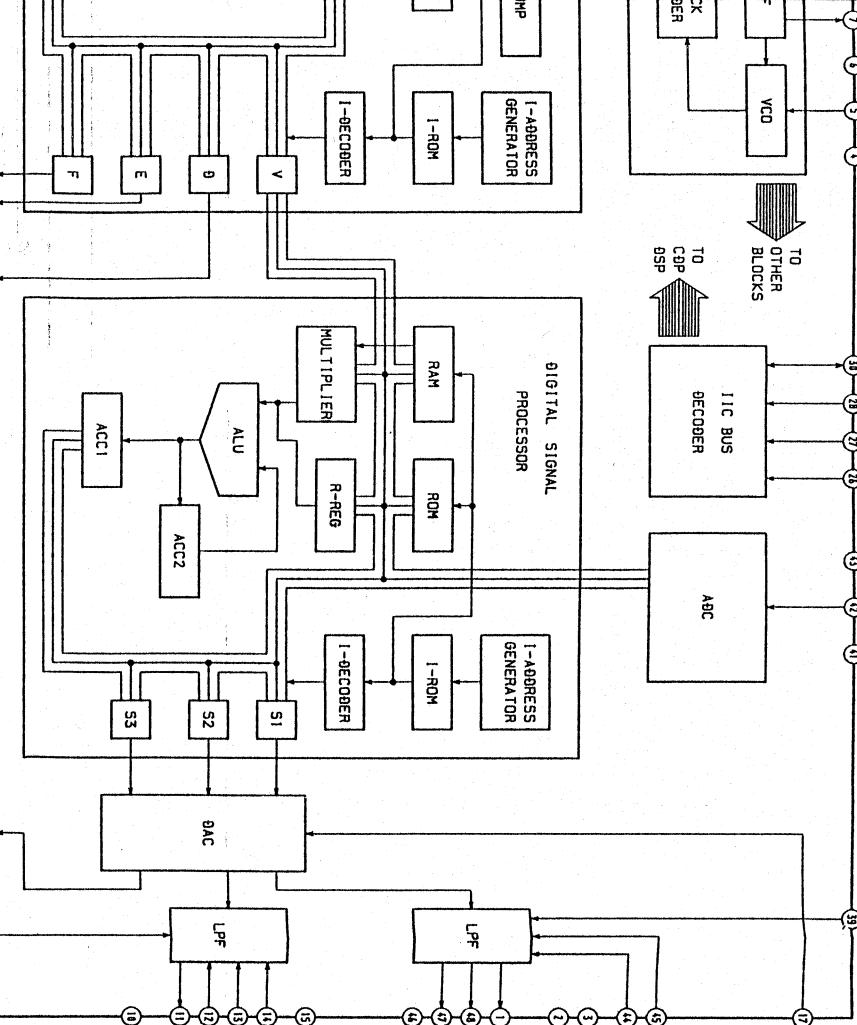
• DX BOARD WAVEFORMS

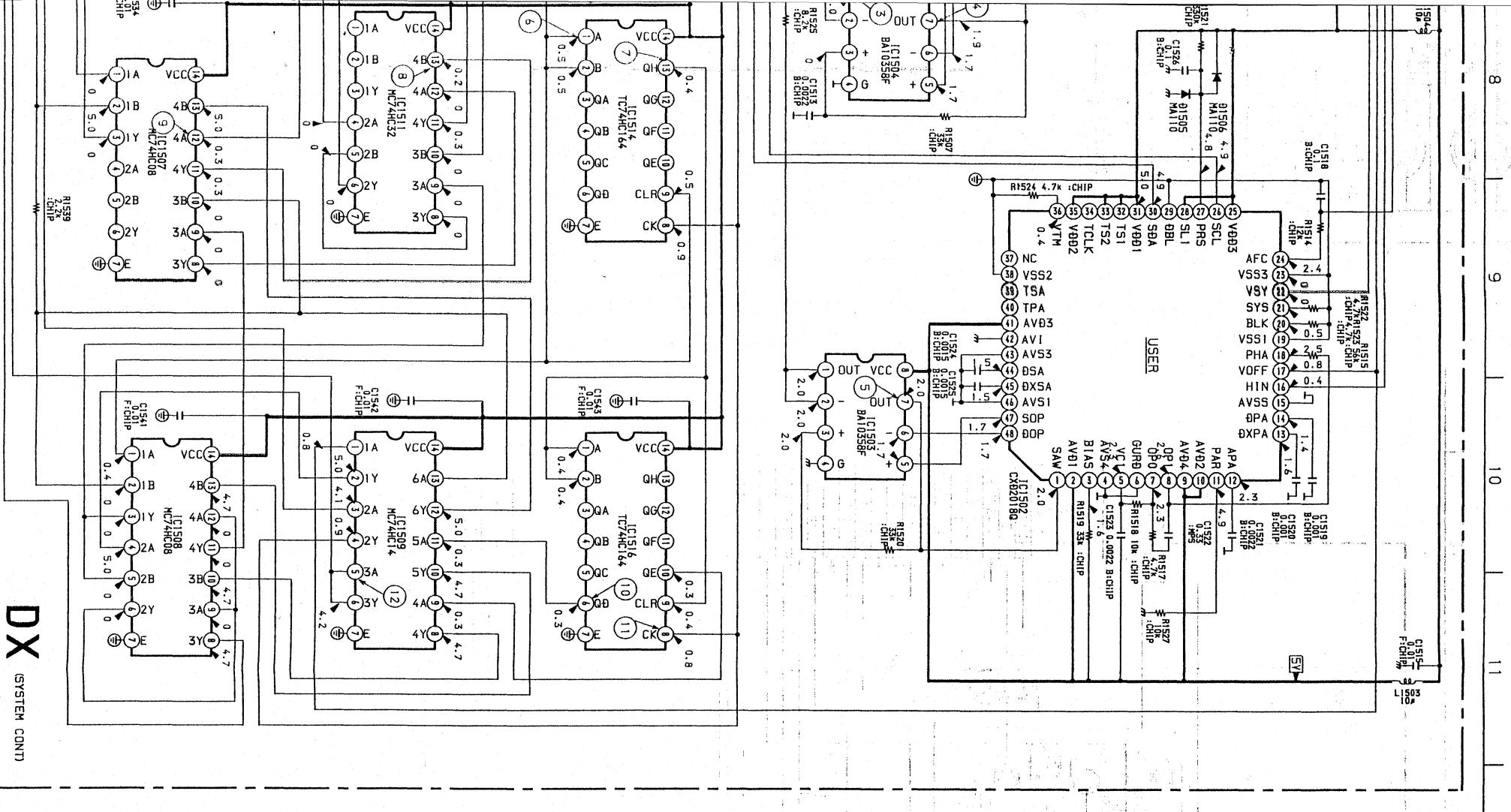
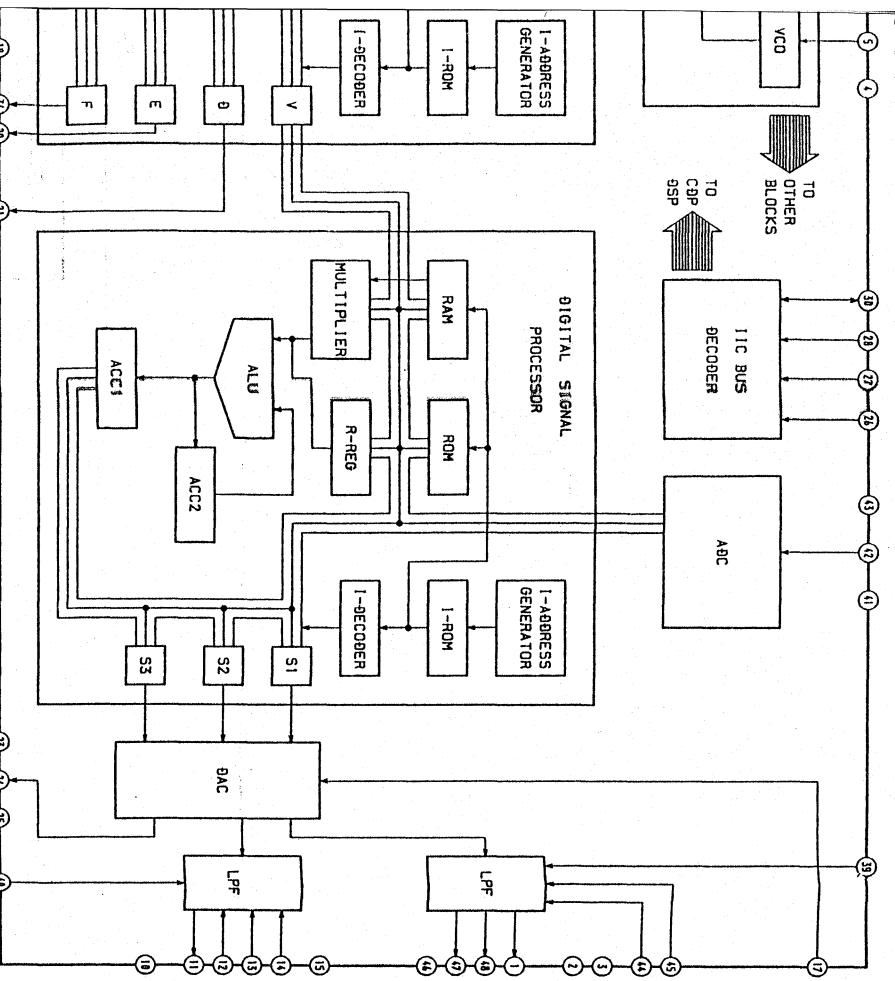


DX BOARD

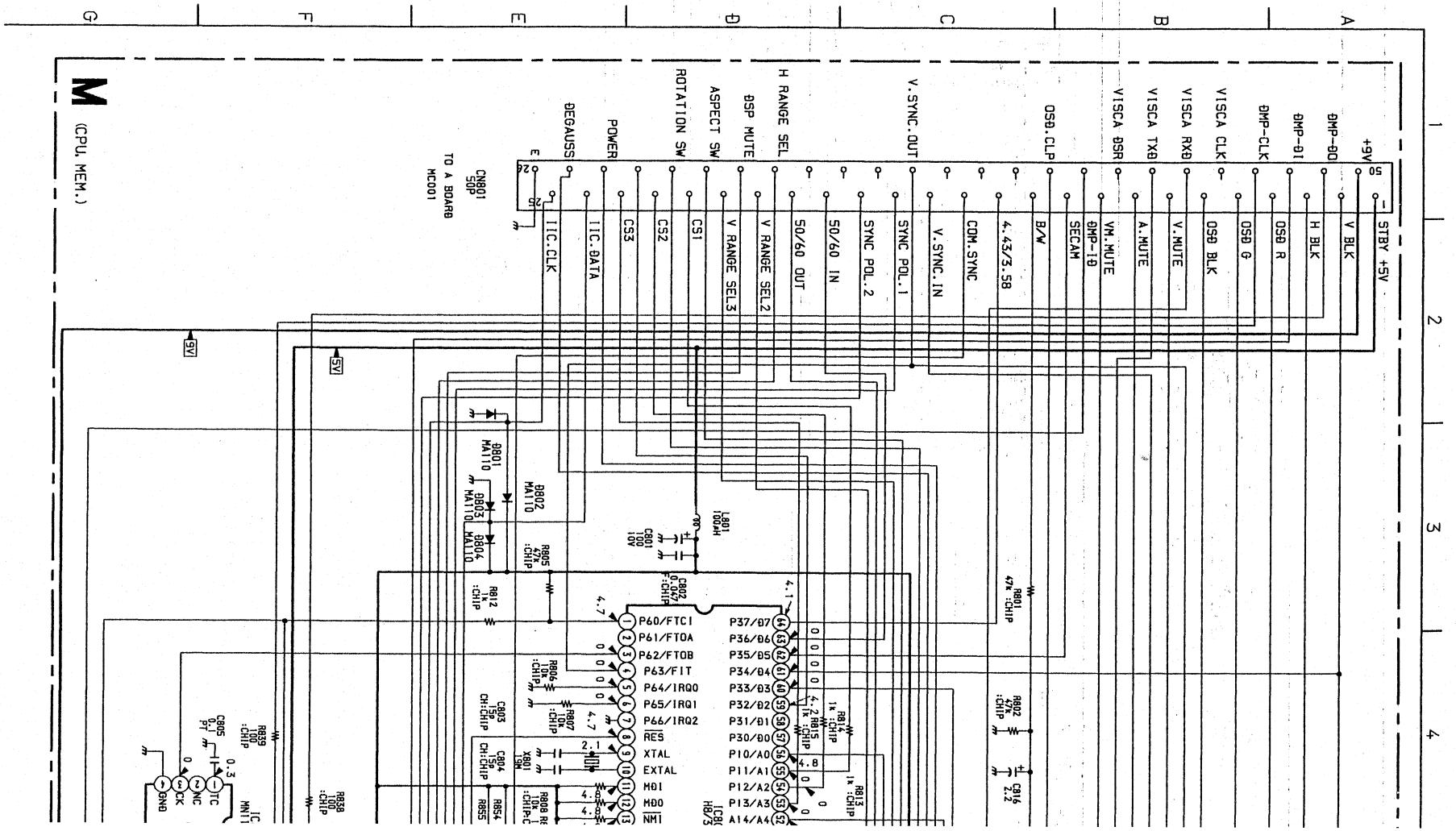
D1501	H BLK SW 3
D1502	6.8V CLAMP
D1505	PROTECT
D1506	PROTECT
D1507	PROTECT
D1508	PROTECT
D1509	REF VOLT
D1501	SERVICE GEO CTRL
D1502	USER GEO CTRL
D1503	V SAW BUFF
D1504	V SAW
D1505	SAW PARA OUT
D1506	D/A CONV
D1507	REF SHIFT 5
D1508	REF SHIFT 6
D1509	REF SHIFT 4
D1511	REF SHIFT 3
D1514	REF SHIFT 1
D1518	AFC CORR
D1590	ABL BLK
Q1501	SHIFT SW
Q1502	ABL BUF
Q1503	H BLK SW 1
Q1504	H BLK SW 2
Q1509	ABL BLK OUT 1
Q1591	ABL BLK OUT 2





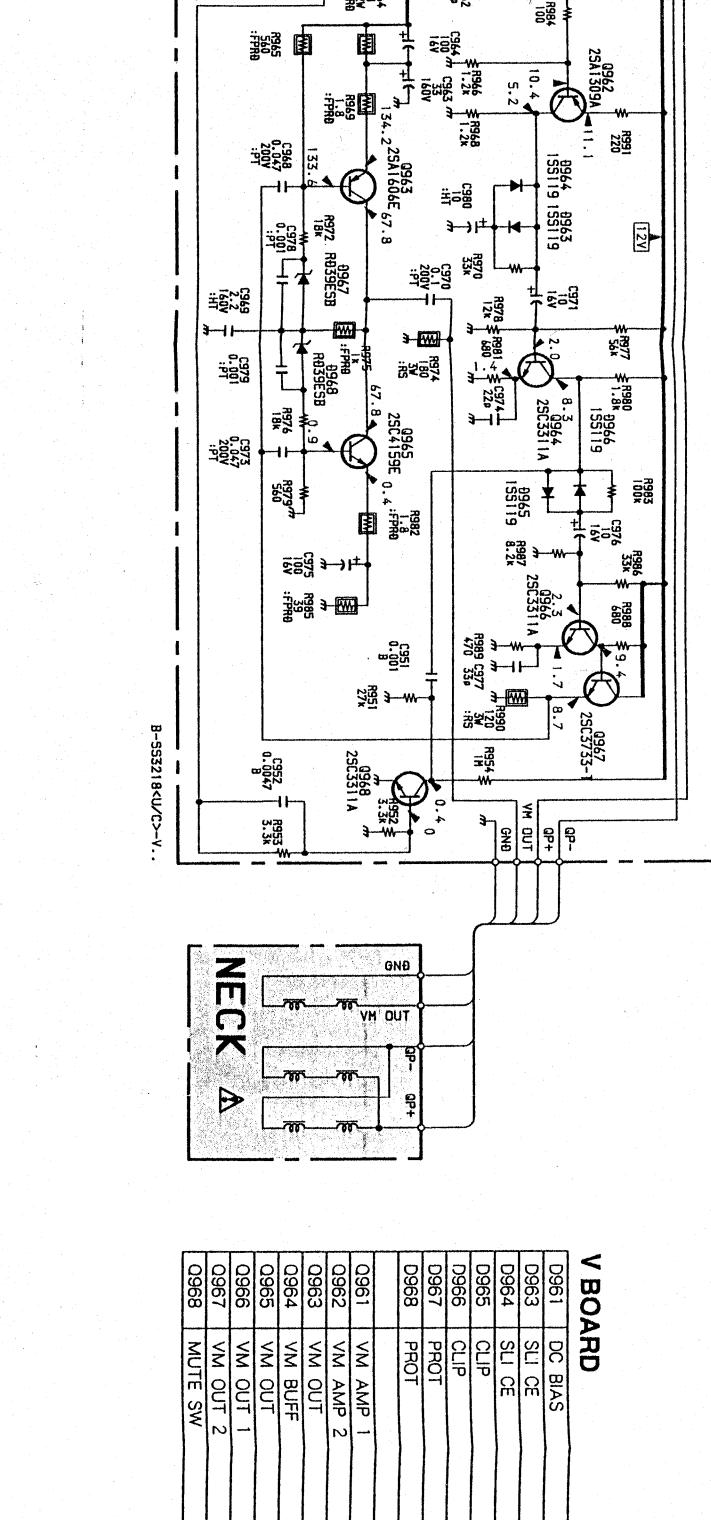


DX
(SYSTEM CONT)



三

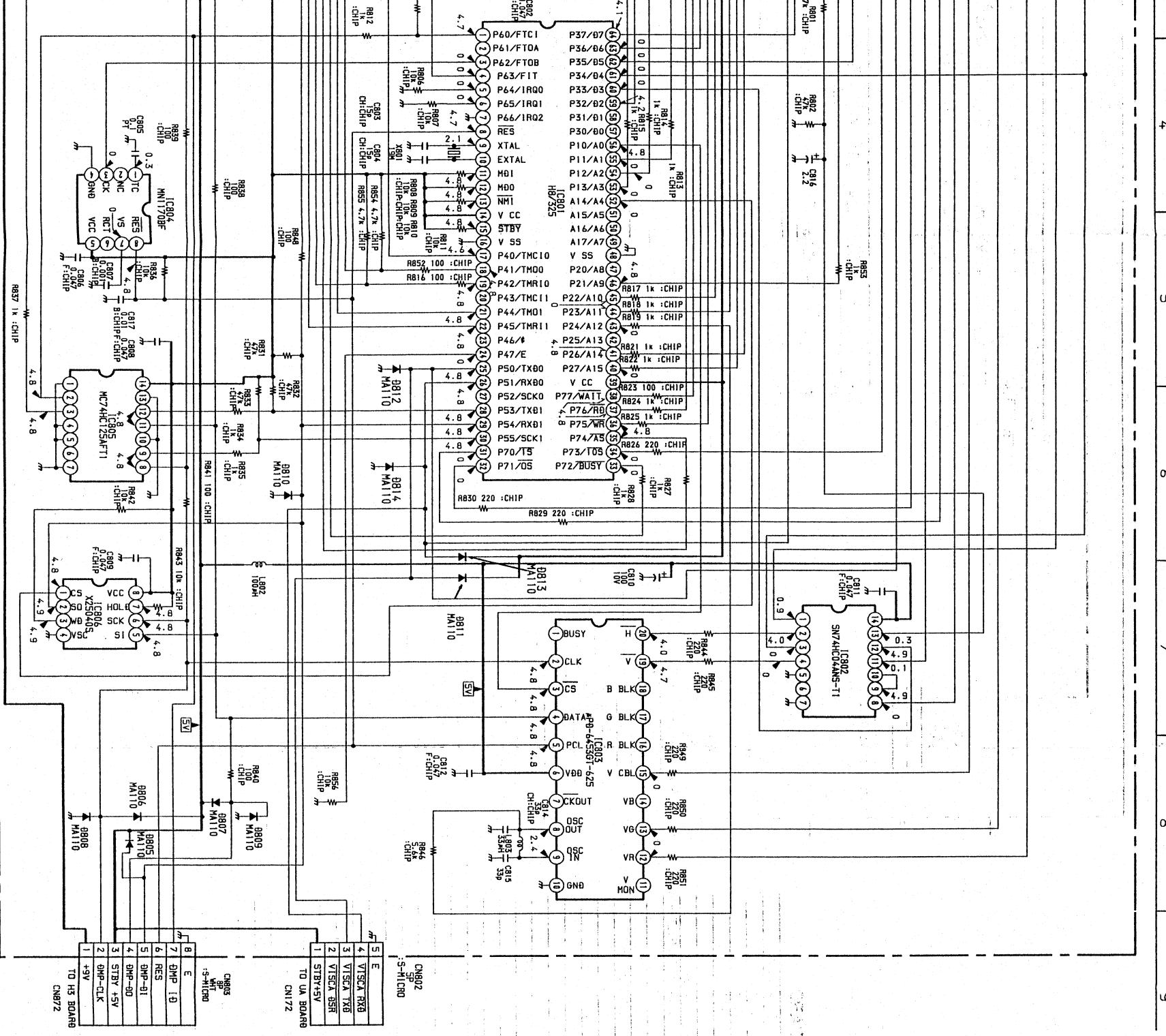
3 4 5 6



B-S53218<U/C>-V..

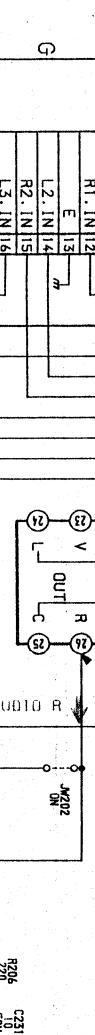
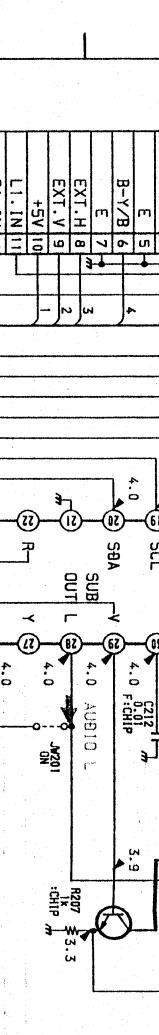
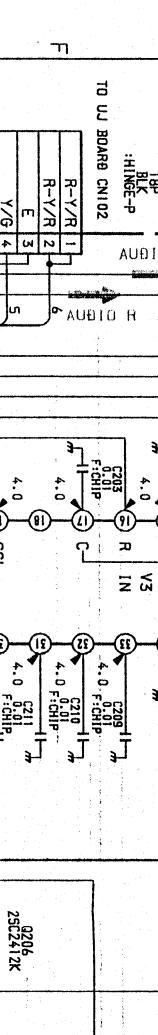
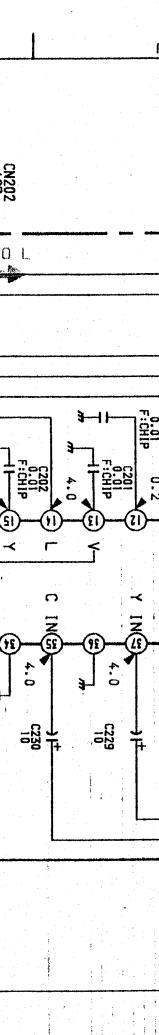
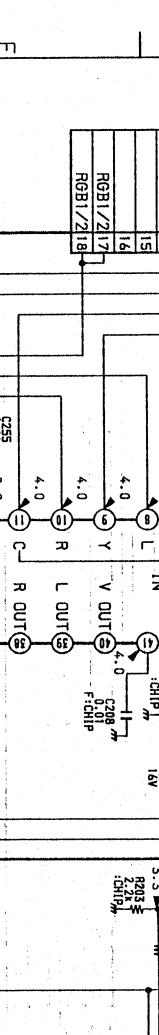
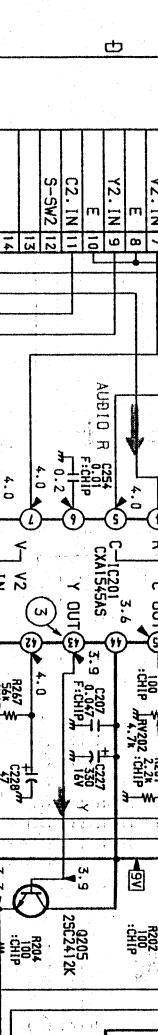
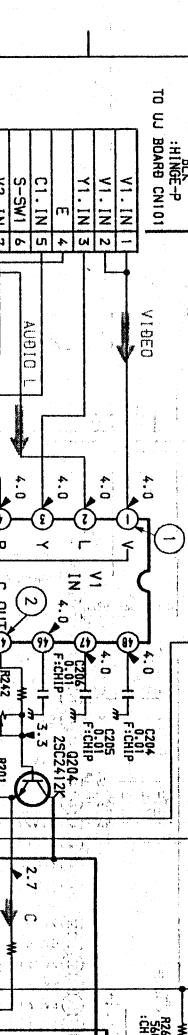
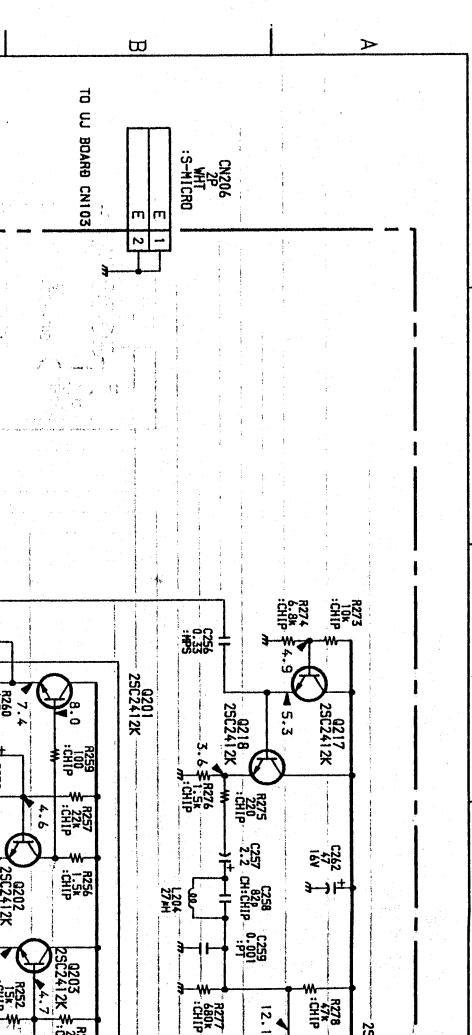
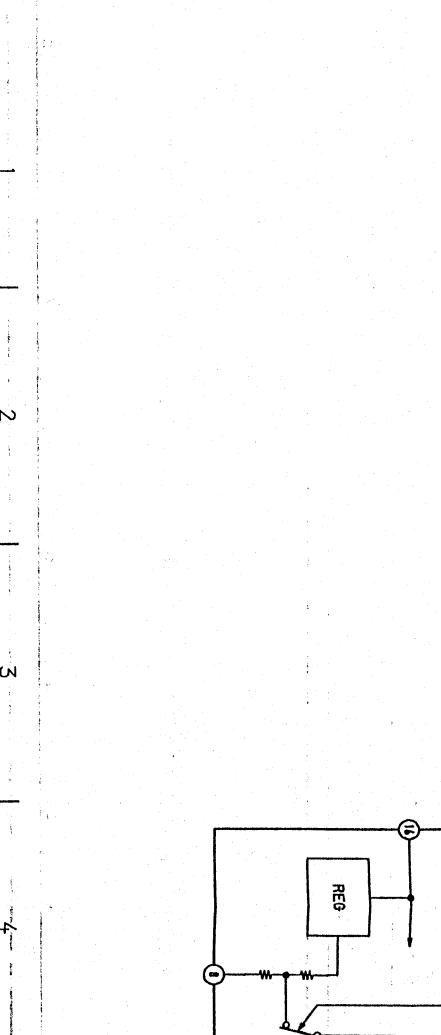
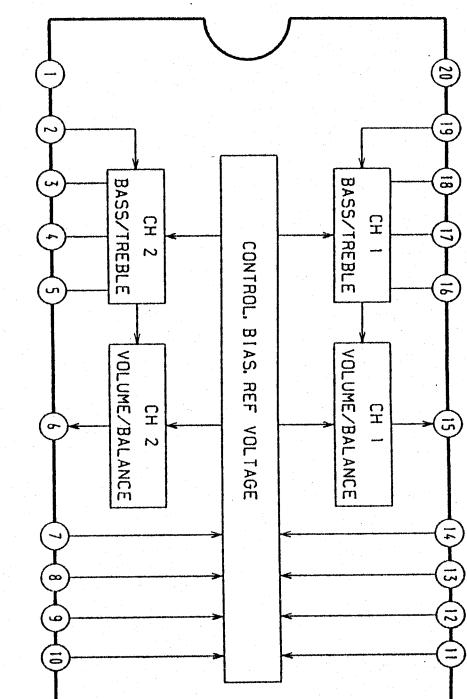
9

M BOARD	
D801	PROTECT
D802	PROTECT
D803	PROTECT
D804	PROTECT
D805	PROTECT
D806	PROTECT
D807	PROTECT
D808	PROTECT
D809	PROTECT
D810	PROTECT
D811	PROTECT
D812	PROTECT
D813	PROTECT
I0801	MICOM
I0802	INVERTER
I0803	CHARACTER GEN
I0804	RESET
I0805	BUFF
I0806	MEMORY

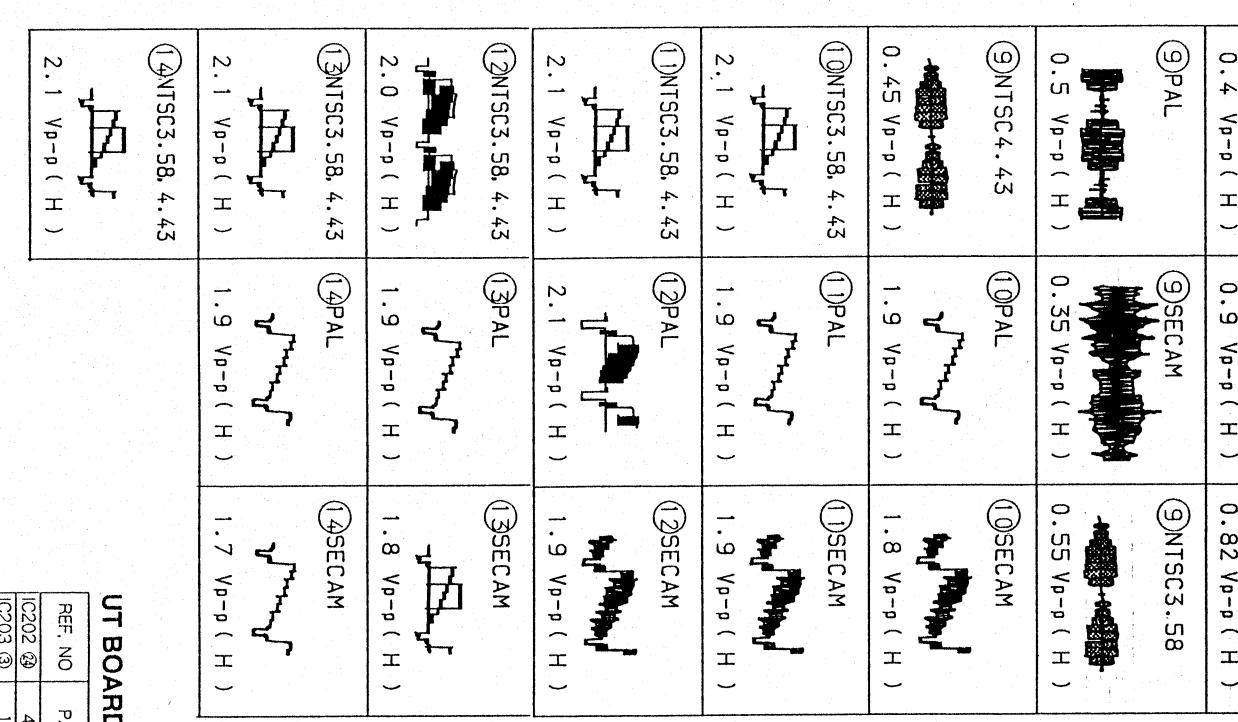


UT BOARD IC204 TA8184P

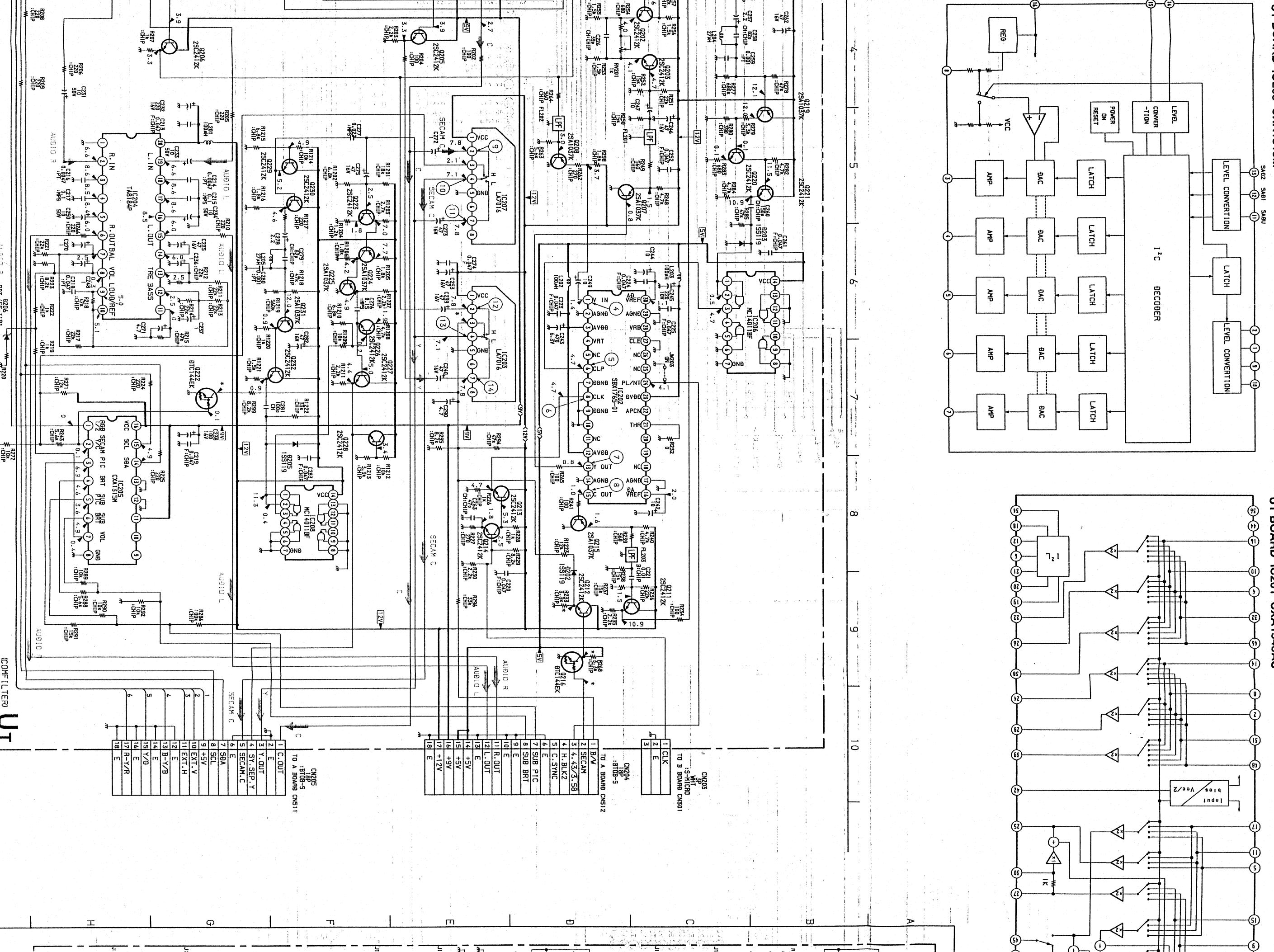
UT BOARD IC205

**UT BOARD * MARK**

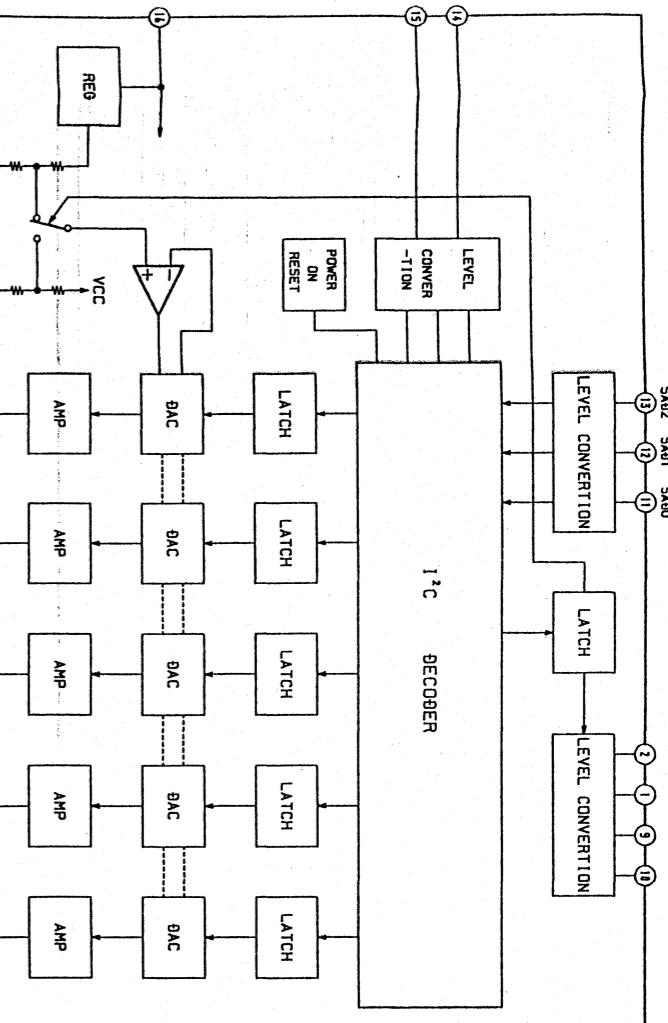
REF. NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
IC202 ②	4.0	4.1	0.1	4.1
IC203 ③	1.5	3.5	1.5	1.5
IC206 ④	5.0	5.0	5.0	2.3
IC208 ④	11.9	11.9	0	11.9
Q212 B	0	5.0	0	0
E	0	4.4	0	0
Q216 B	4.6	0	4.6	4.6
C	0	5.0	0	0
Q222 C	1.5	3.5	1.5	1.5
Q227 C	12.0	11.9	0	11.9



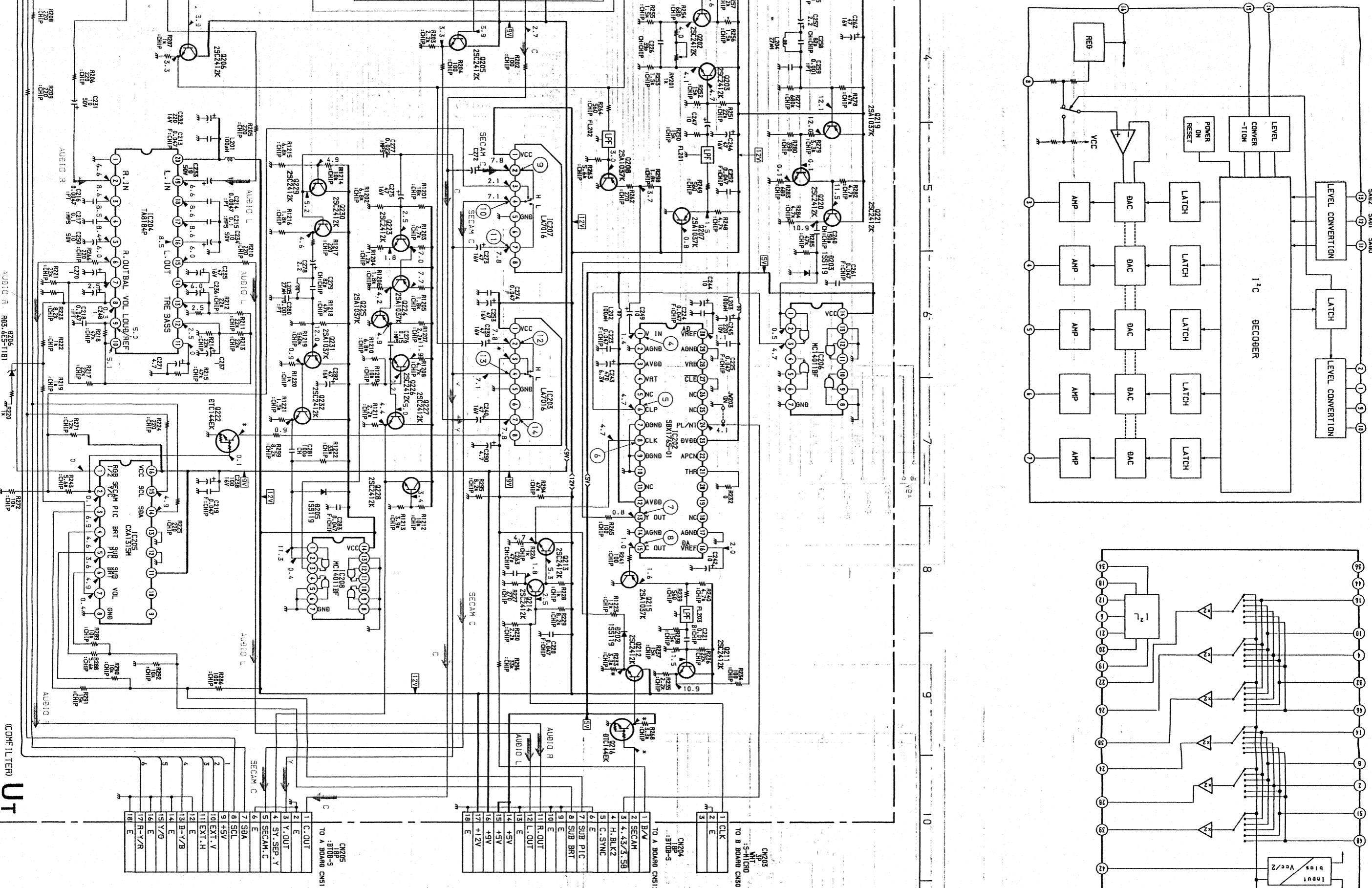
S 5



UT BOARD IC205 CXA1315M



UT BOARD IC201 CXA1545AS

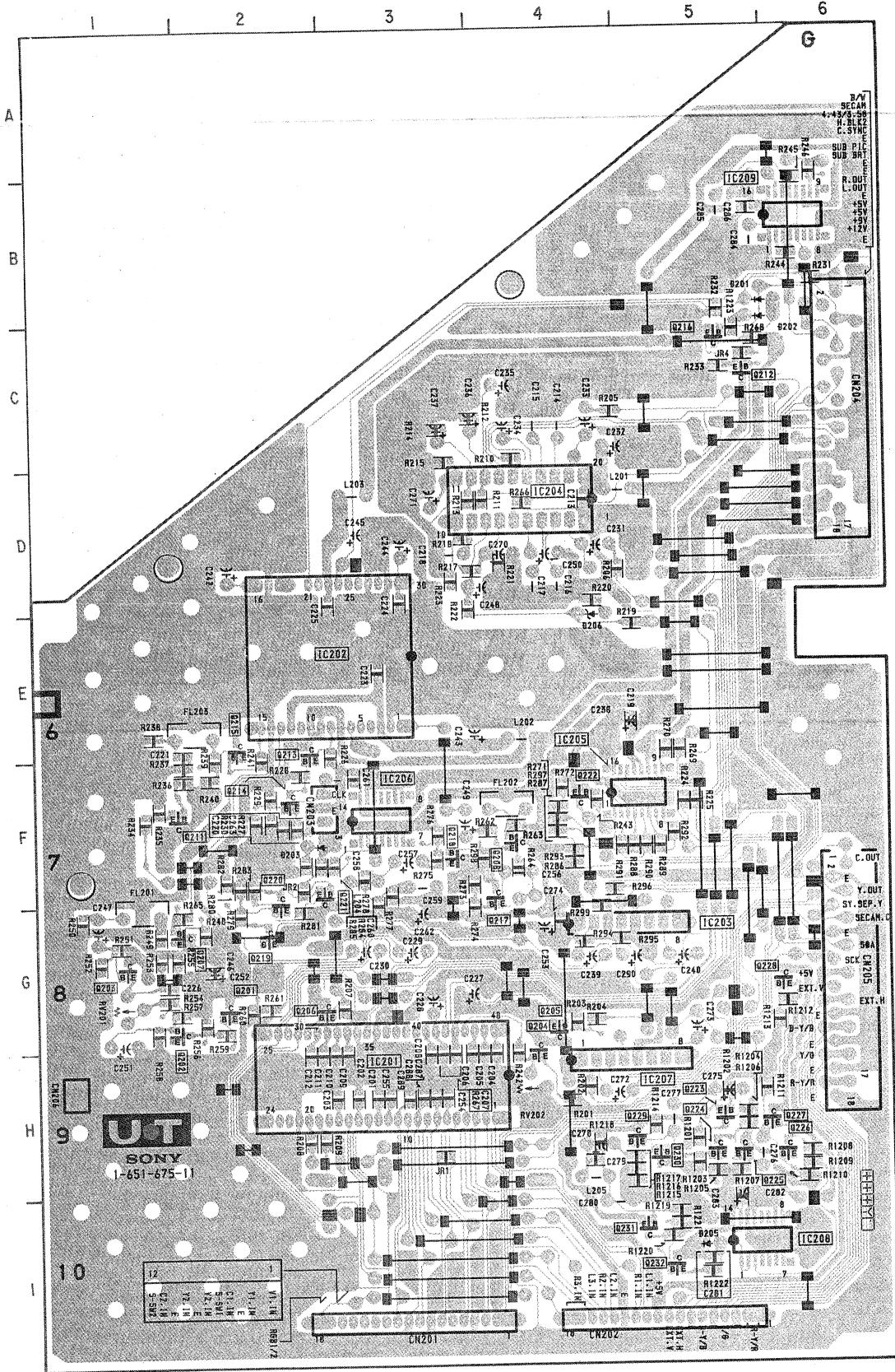


B-S53218<CD>-UT.

UT

UT [COM FILTER] **UJ** [INPUT] **UA** [AUDIO OUT,
VISCA, SIRCS]

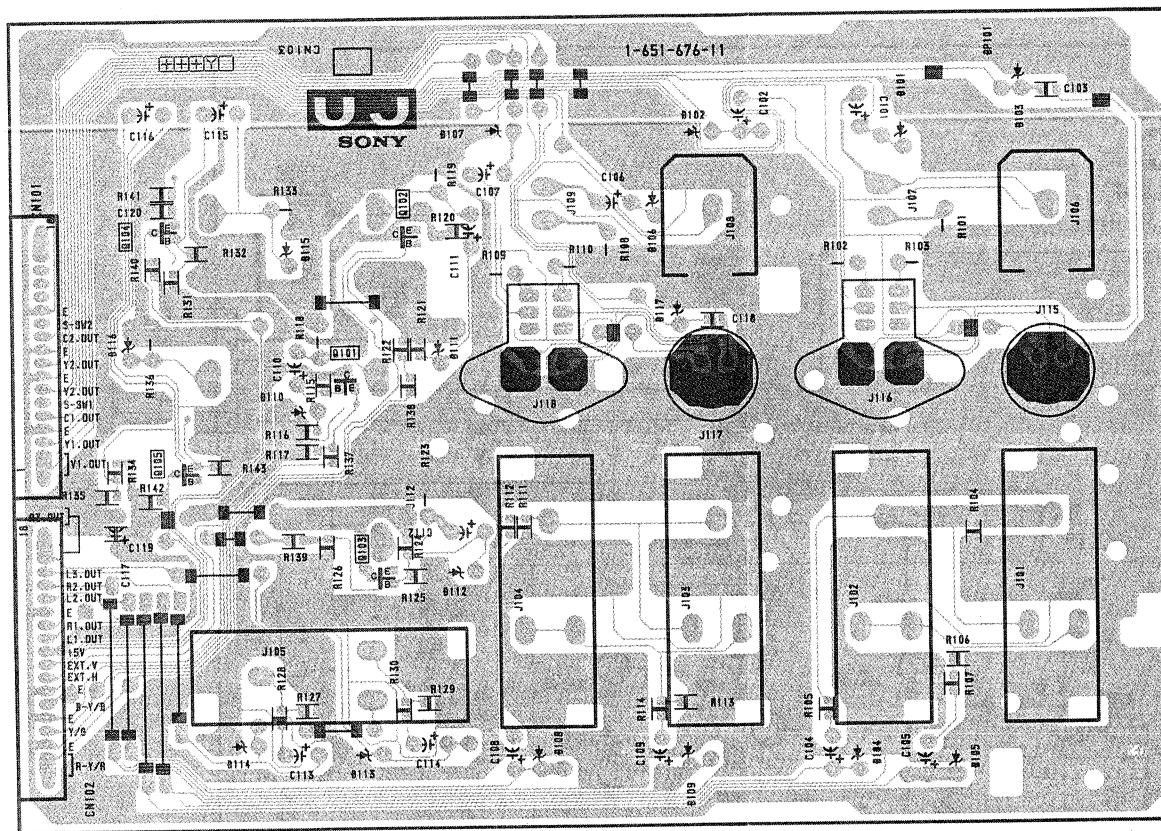
— UTBOARD —



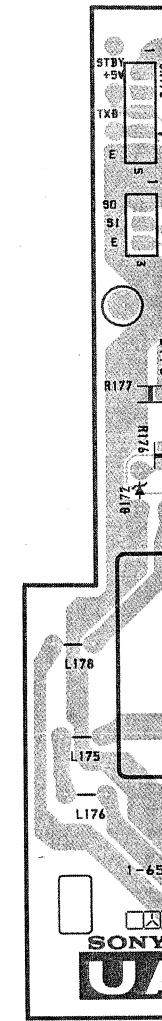
UT BOARD

IC	
IC201	H - 3
IC202	E - 2
IC203	G - 5
IC204	D - 4
IC205	F - 5
IC206	F - 3
IC207	H - 5
IC208	I - 5
DIODE	
D202	C - 5
D203	F - 2
D205	I - 5
D206	E - 4
TRANSISTOR	
Q201	G - 2
Q202	G - 1
Q203	G - 1
Q204	H - 4
Q205	G - 4
Q206	G - 2
Q207	G - 1
Q208	F - 4
Q211	F - 1
Q212	C - 5
Q213	E - 2
Q214	F - 2
Q215	E - 2
Q216	C - 5
Q217	F - 4
Q218	F - 3
Q219	G - 2
Q220	F - 2
Q221	F - 2
Q222	F - 4
Q223	H - 5
Q224	H - 5
Q225	H - 5
Q226	H - 6
Q227	H - 5
Q228	G - 5
Q229	H - 5
Q230	H - 5
Q231	I - 5
Q232	I - 5
VARIABLE RESISTOR	
RV201	G - 1
RV202	H - 4

— UJ BOARD —



— UA BOARD —



- UJ BOARD -

UT BOARD

IC

IC201	H - 3
IC202	E - 2
IC203	G - 5
IC204	D - 4
IC205	F - 5
IC206	F - 3
IC207	H - 5
IC208	I - 5

DIODE

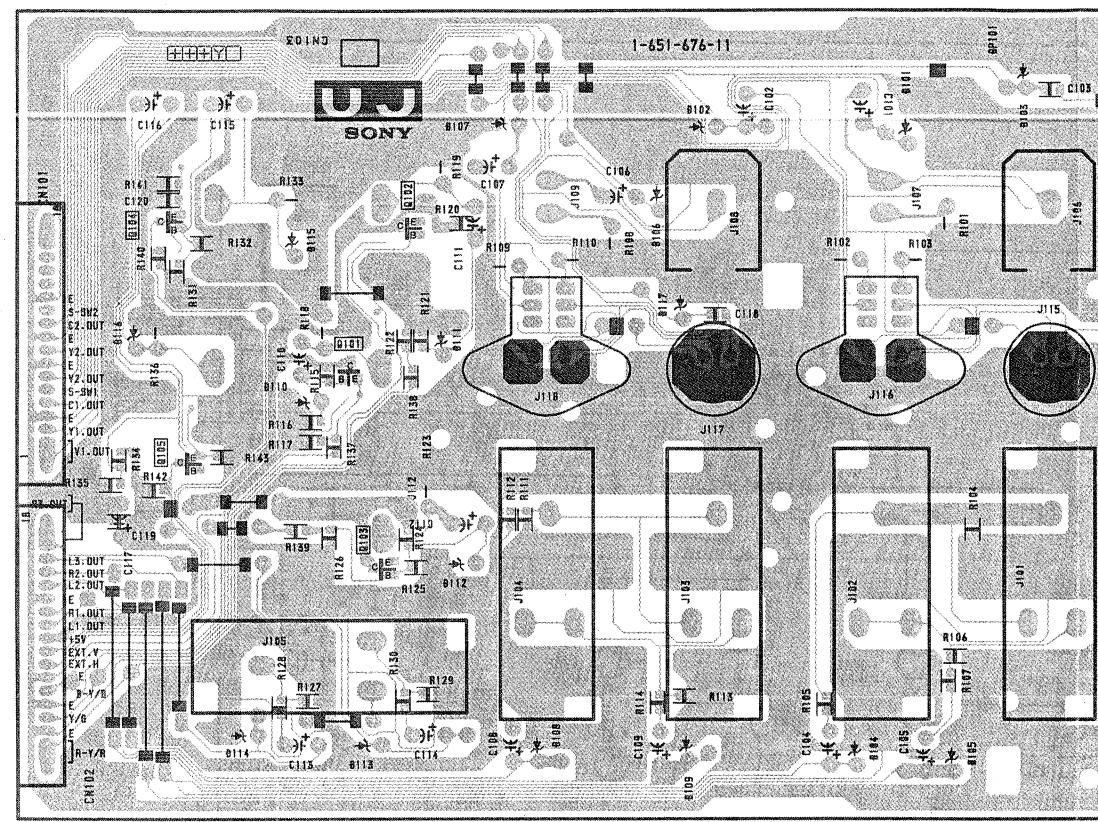
D202	C - 5
D203	F - 2
D205	I - 5
D206	E - 4

TRANSISTOR

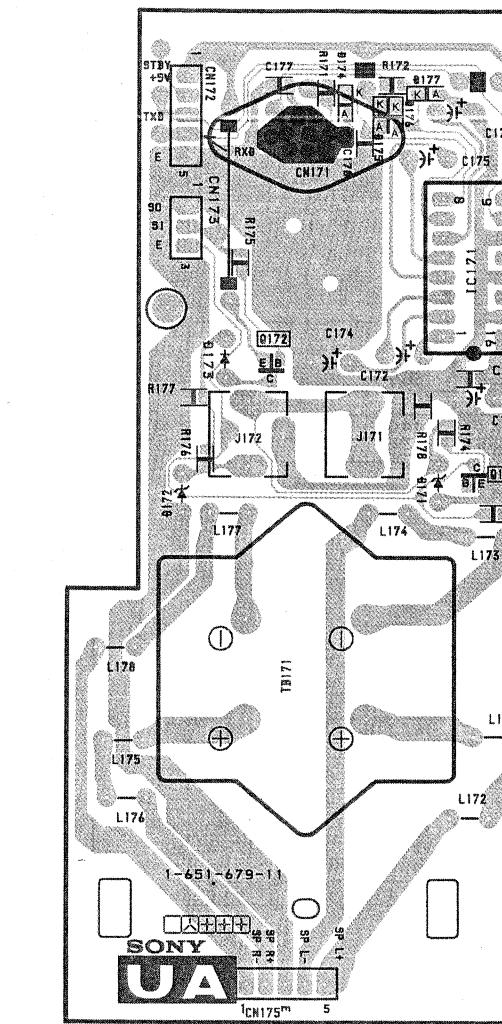
Q201	G - 2
Q202	G - 1
Q203	G - 1
Q204	H - 4
Q205	G - 4
Q206	G - 2
Q207	G - 1
Q208	F - 4
Q211	F - 1
Q212	C - 5
Q213	E - 2
Q214	F - 2
Q215	E - 2
Q216	C - 5
Q217	F - 4
Q218	F - 3
Q219	G - 2
Q220	F - 2
Q221	F - 2
Q222	F - 4
Q223	H - 5
Q224	H - 5
Q225	H - 5
Q226	H - 6
Q227	H - 5
Q228	G - 5
Q229	H - 5
Q230	H - 5
Q231	I - 5
Q232	I - 5

VARIABLE RESISTOR

RV201	G - 1
RV202	H - 4



- UA BOARD -



C [R. G. B]

- C BOARD -

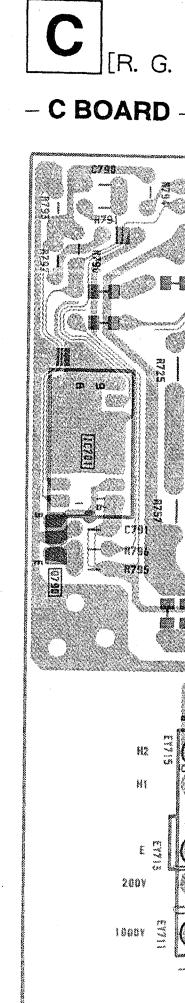
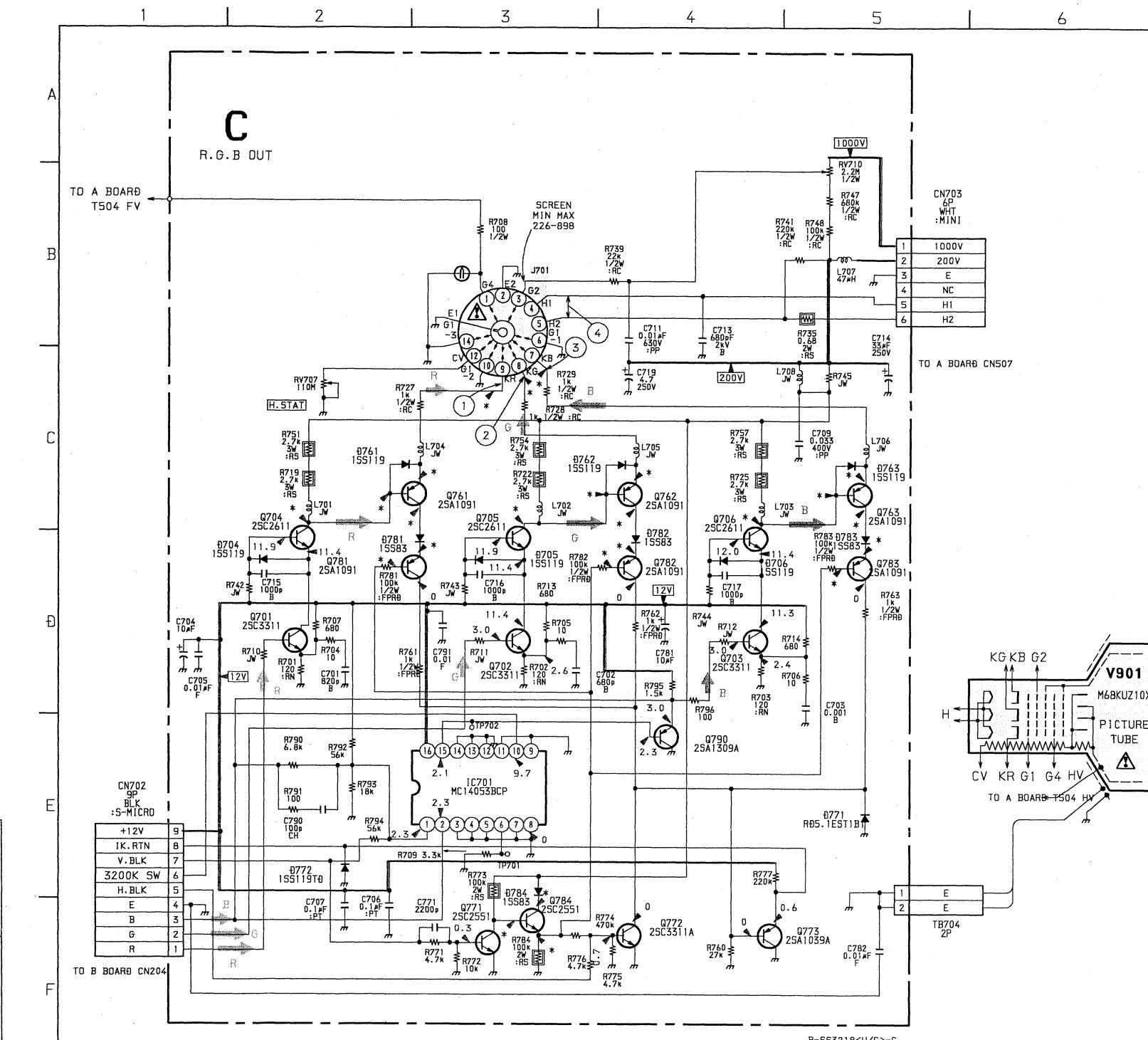
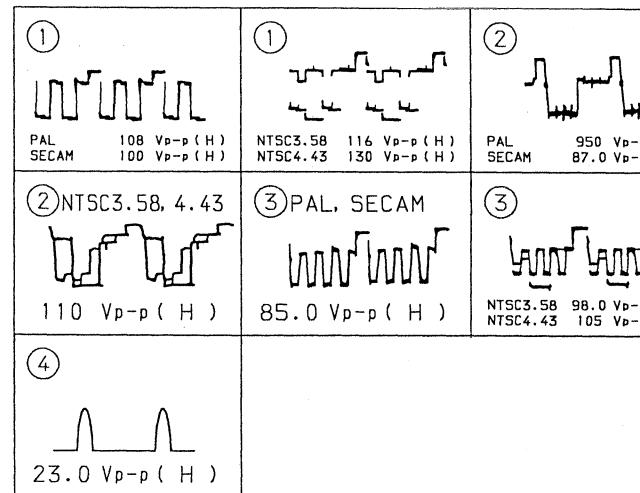
C BOARD

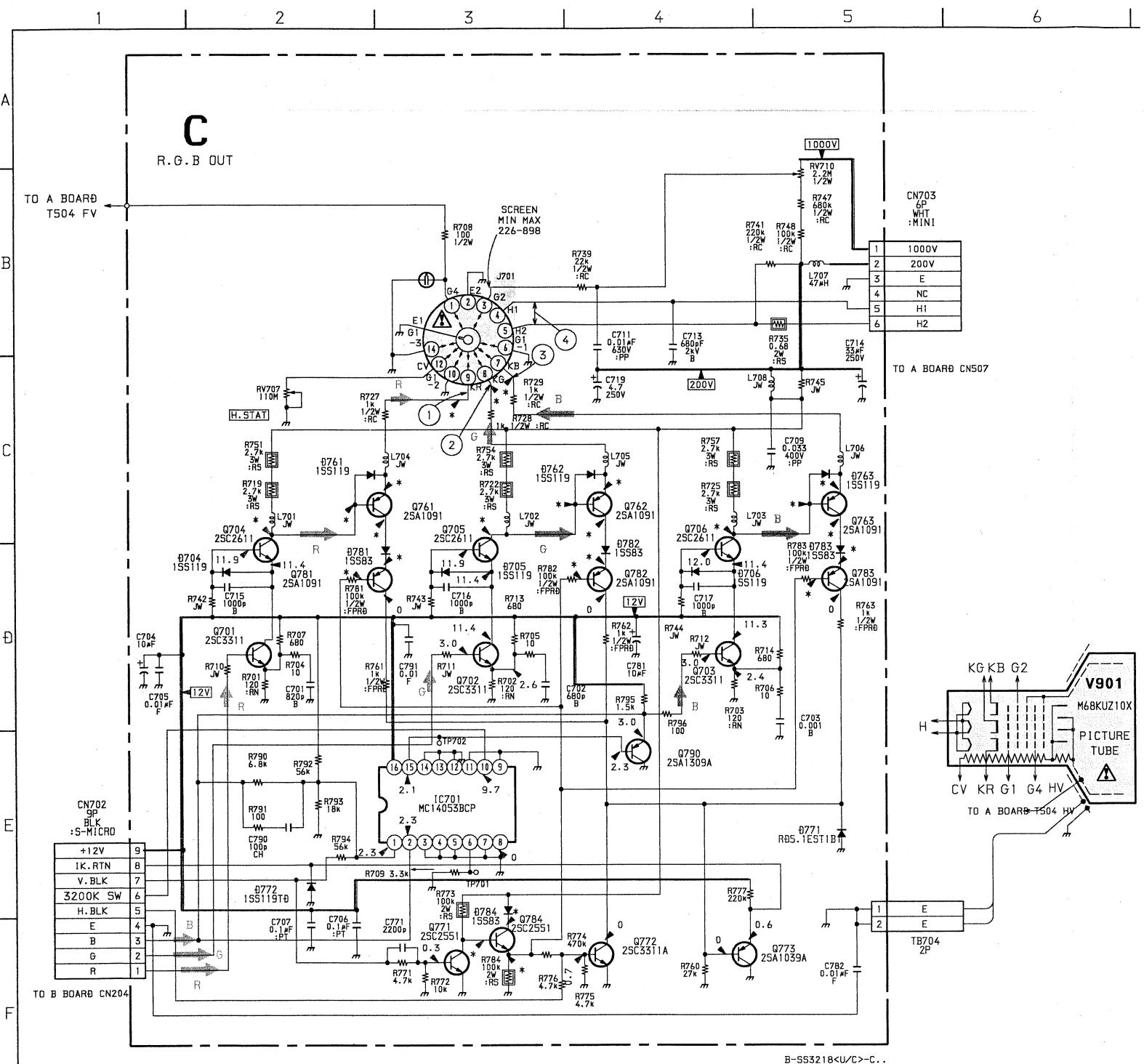
D704	PROTECT
D705	PROTECT
D706	PROTECT
D761	SPEED UP
D762	SPEED UP
D763	SPEED UP
D771	PROTECT
D772	PROTECT
D781	PROTECT
D782	PROTECT
D783	PROTECT
D784	BLK BUFF
IC701	3200 SW
Q701	R DRIVE
Q702	G DRIVE
Q703	B DRIVE
Q704	R OUT
Q705	G OUT
Q706	B OUT
Q761	IK DET
Q762	IK DET
Q763	IK DET
Q771	INVERT
Q772	BLK SW
Q773	IK BUFF
Q781	IK DET
Q782	IK DET
Q783	IK DET
Q784	BLK BUFF
Q790	B BUFF

C BOARD * MARK

REF. NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
J701 KB	165.8	166.9	164.9	163.7
RG	154.6	156.6	155.3	154.8
KR	143.7	144.6	145.6	146.2
Q704 C	145.2	146.5	147.2	147.3
Q705 C	158.4	160.7	159.1	158.3
Q706 C	168.1	169.2	166.6	165.6
Q761 B	145.1	146.2	147.3	147.3
C	129.2	133.0	129.8	128.8
E	143.0	144.0	145.1	145.5
Q762 B	158.3	160.5	159.3	158.5
C	140.8	143.4	139.6	139.4
E	154.3	156.4	155.2	154.6
Q763 B	168.0	169.2	166.9	165.7
C	153.6	154.6	149.3	148.6
E	165.6	166.9	164.7	163.5
Q771 C	182.0	182.2	179.0	179.8
Q781 B	181.5	181.5	178.9	178.9
E	169.9	172.0	167.8	172.4
Q783 B	181.4	181.5	178.9	179.0
E	169.7	171.0	167.3	168.2
Q784 B	182.1	182.2	179.5	179.6
C	197.7	197.8	197.2	197.3
E	183.2	183.4	180.6	180.7

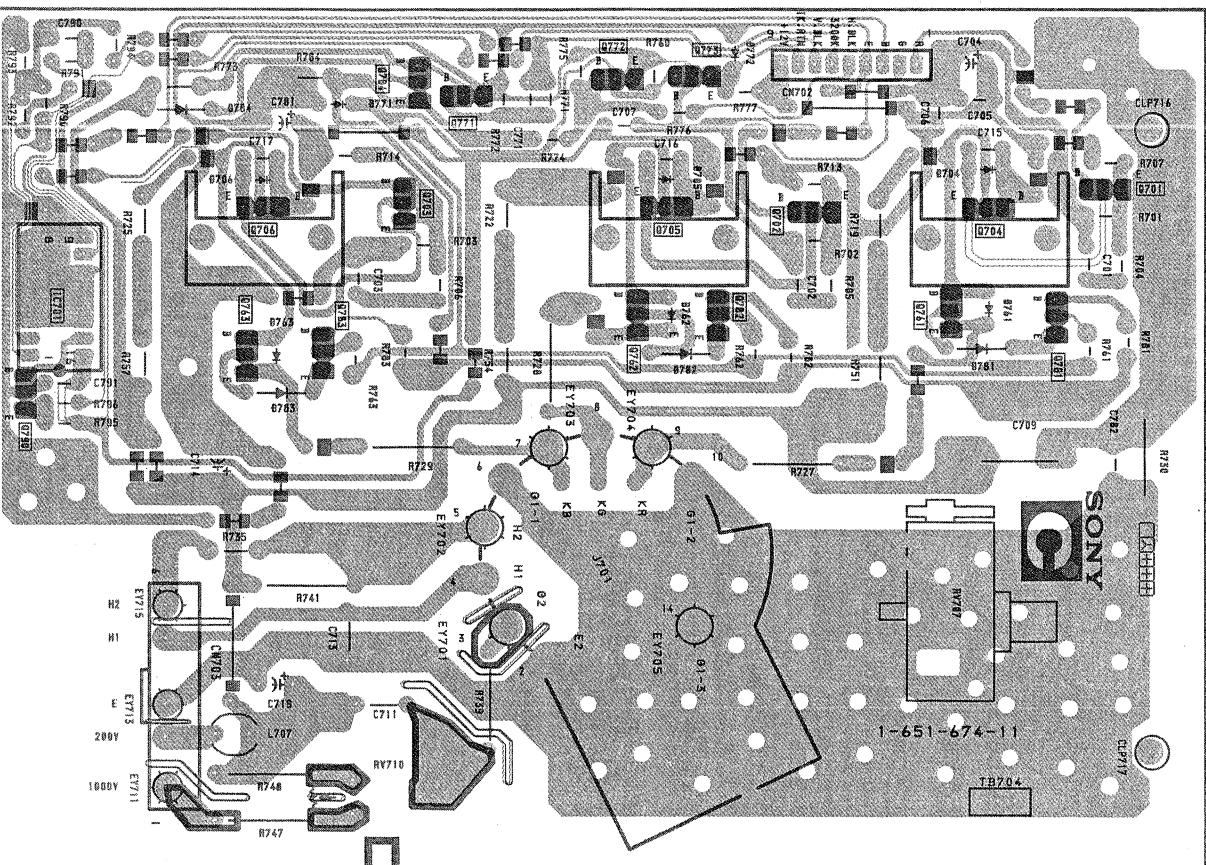
• C BOARD WAVEFORMS



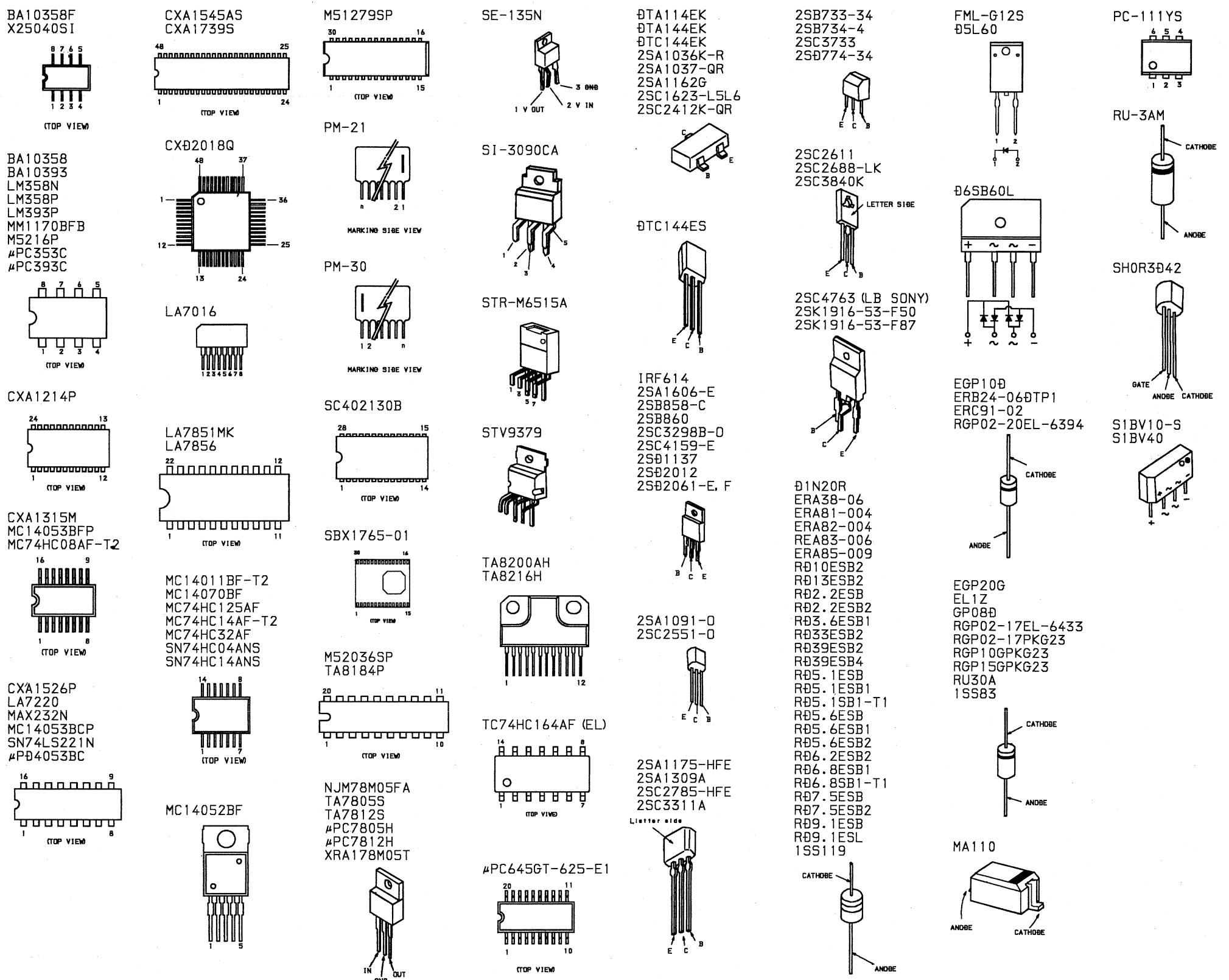


C [R. G. B OUT]

- C BOARD -



7-5. SEMICONDUCTORS



SECTION 8
EXPLODED VIEWS

NOTE:

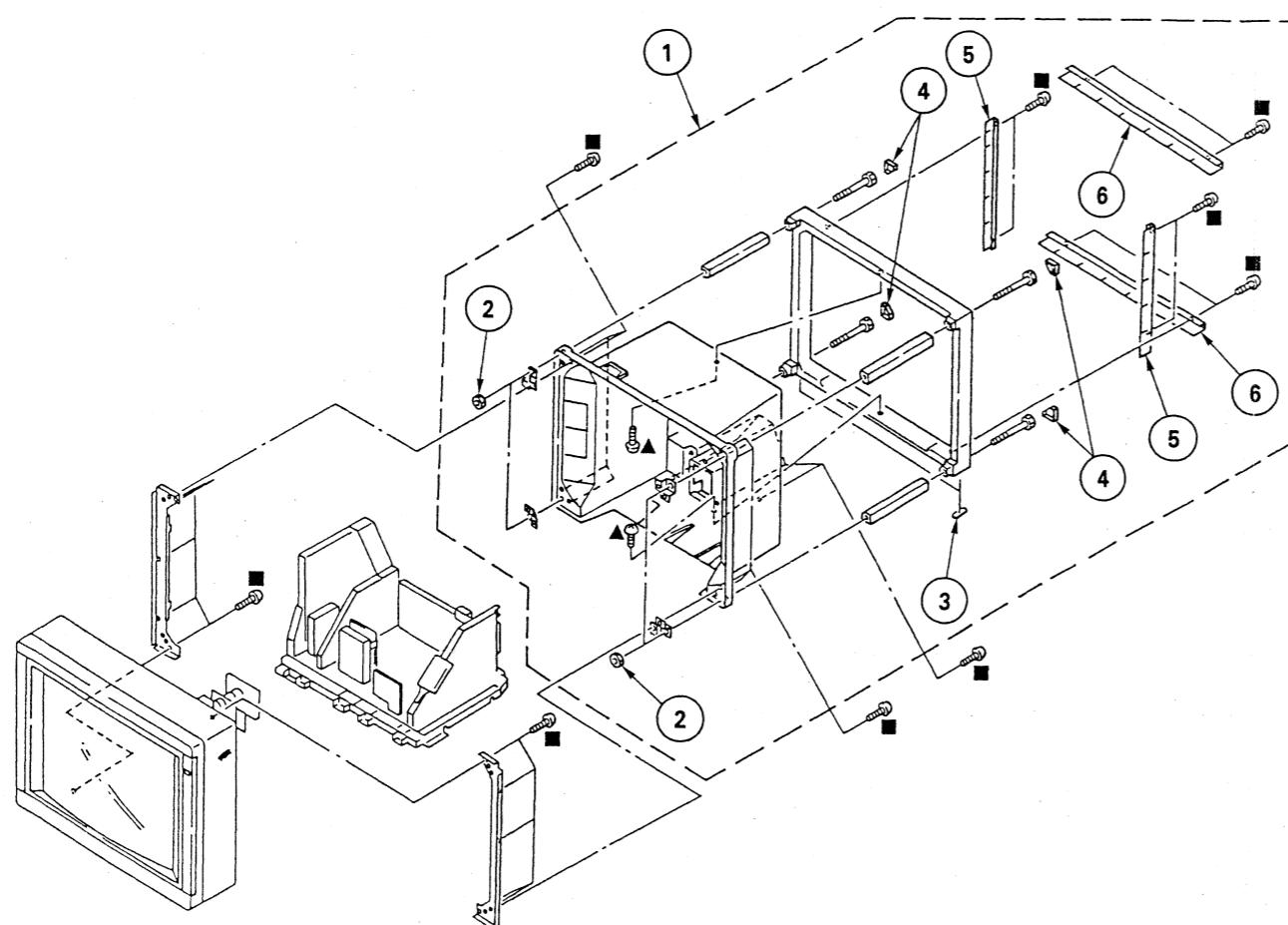
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a callout number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

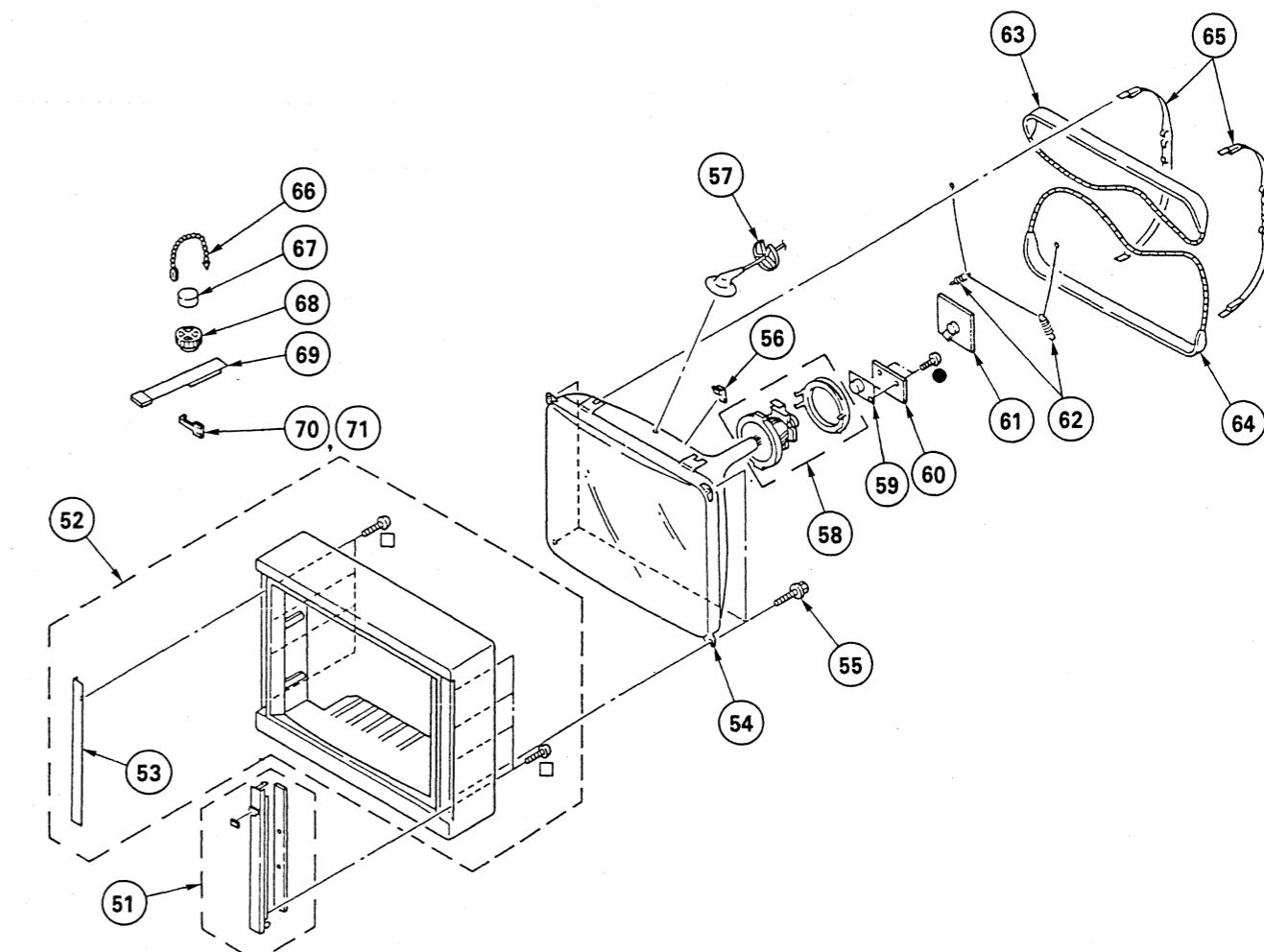
8-1. REAR COVER

▲: BVTP 4 x 12 7-685-661-79
■: BVTP 4 x 16 7-685-663-79



8-2. PICTURE TUBE

●: BVTP 3 x 12 7-685-648-79
□: BV 3 x 25 7-685-152-19



The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

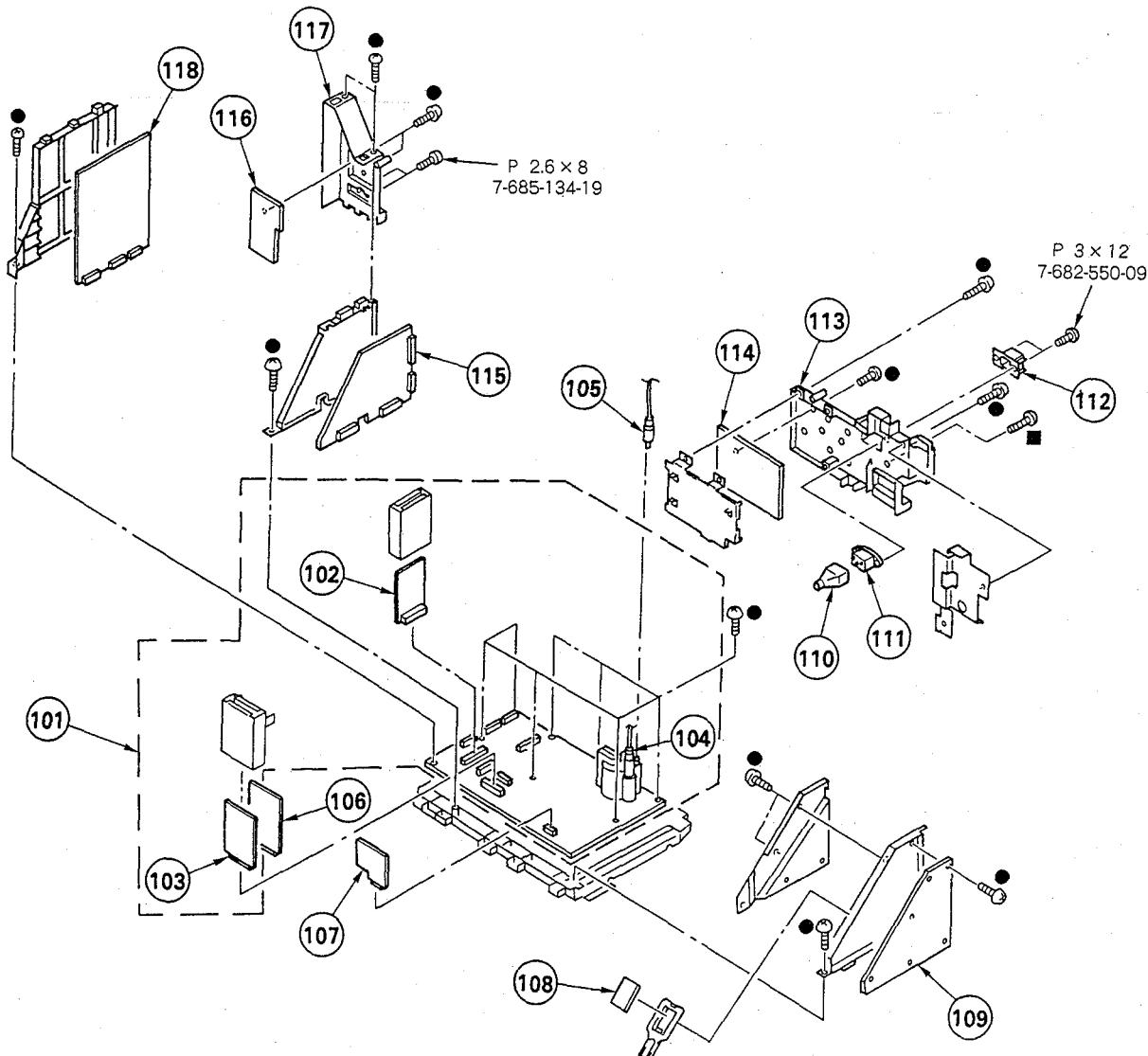
Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4032-023-1	COVER ASSY, REAR	
2	4-304-511-00	NUT (M5), FLANGE	2-6
3	4-392-860-01	CUSHION (B)	
4	4-039-913-01	CAP	
5	4-039-918-01	BRACKET (V), REAR FRAME	
6	4-039-917-01	BRACKET (H), REAR FRAME	

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	1-467-794-11	KEY BOARD UNIT		63	Δ 1-402-715-21	COIL, DEMAGNETIZATION (PVM-2950QM)	
52	X-4032-024-1	BEZNET ASSY		64	Δ 1-426-573-22	COIL, DEGAUSSING (PVM-2950Q)	
53	4-045-431-01	PANEL, BLIND		65	Δ 1-402-716-21	COIL, DEMAGNETIZATION (PVM-2950QM)	
54	Δ 8-733-845-05	PICTURE TUBE (M68KUZ10X)		66	Δ 1-426-574-22	COIL, DEGAUSSING (PVM-2950Q)	
55	4-390-505-01	SCREW (7), TAPPING		67	4-037-983-01	HOLDER, DGC	
56	3-704-495-01	SPACER, DY		68	4-308-870-00	CLIP, LEAD WIRE	
57	*3-704-372-01	HOLDER, HV CABLE		69	1-452-032-00	MAGNET, DISK; 10MM ϕ	
58	Δ 8-451-394-31	DEFLECTION YOKE (Y29EXA)		70	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
59	Δ 1-452-616-13	NECK ASSY, PICTURE TUBE (NA323)		71	X-4306-312-0	PERMALLOY ASSY, CONVERGENCE	
60	*A-1342-246-A	V BOARD, COMPLETE					
61	*A-1331-344-A	C BOARD, COMPLETE					
62	4-369-318-00	SPRING, TENSION					

8-3. CHASSIS

- : BVTP 3 x 12 7-685-648-79
- : BVTP 4 x 16 7-685-663-79



The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	*A-1297-256-A	A BOARD, COMPLETE (PVM-2950QM(AEP))		110	4-601-466-11	COVER, 3P INLET	
	*A-1297-382-A	A BOARD, COMPLETE (PVM-2950QM(AUS))	102,103	111	Δ 1-580-375-11	INLET, 3P	
	*A-1297-387-A	A BOARD, COMPLETE (PVM-2950Q)	102,103	112	2-990-241-02	HOLDER (A), PLUG	
102	*A-1301-950-A	M BOARD, COMPLETE		113	4-045-440-01	BRACKET, UJ	
103	*A-1341-764-A	DX BOARD, COMPLETE		114	*A-1373-468-A	UJ BOARD, COMPLETE	
104	Δ X-4032-250-1	TRANSFORMER ASSY, FLYBACK		115	*A-1394-545-A	UT BOARD, COMPLETE	
105	1-900-140-13	LEAD ASSY, FOCUS		116	*A-1373-467-A	UA BOARD, COMPLETE	
106	*A-1347-093-A	VC BOARD, COMPLETE		117	4-045-439-01	BRACKET, UA	
107	*A-1372-005-A	H3 BOARD, COMPLETE		118	*A-1135-787-A	B BOARD, COMPLETE	
108	*A-1311-363-A	G1 BOARD, COMPLETE (PVM-2950Q)					
	*A-1311-365-A	G1 BOARD, COMPLETE (PVM-2950QM)					
109	*A-1316-181-A	G BOARD, COMPLETE (PVM-2950Q)					
	*A-1316-182-A	G BOARD, COMPLETE (PVM-2950QM)					

SECTION 9 ELECTRICAL PARTS LIST

B

NOTE:

The components identified by shading and mark ▲ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- When indicating parts by reference number, please include the board name.

CAPACITORS

• MF : μ F, PF : $\mu\mu$ F • MMH : mH, UH : μ H

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
 - There are some cases where the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
*A-1135-787-A	B BOARD, COMPLETE					C348	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
	*****					C349	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
						C350	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
						C351	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
		<CAPACITOR>				C352	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C301	1-124-126-00	ELECT	47MF	20%	16V	C353	1-137-374-11	FILM	0.047MF	5%	50V
C302	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C354	1-137-374-11	FILM	0.047MF	5%	50V
C303	1-126-964-11	ELECT	10MF	20%	50V	C355	1-124-903-11	ELECT	1MF	20%	50V
C304	1-124-126-00	ELECT	47MF	20%	16V	C356	1-124-902-00	ELECT	0.47MF	20%	50V
C305	1-126-933-11	ELECT	100MF	20%	10V	C357	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C306	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C358	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C307	1-137-375-11	FILM	0.068MF	5%	50V	C359	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C308	1-124-903-11	ELECT	1MF	20%	50V	C360	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C309	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C361	1-130-483-00	MYLAR	0.01MF	5%	50V
C310	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	C362	1-124-927-11	ELECT	4.7MF	20%	50V
C311	1-124-925-11	ELECT	2.2MF	20%	50V	C363	1-124-126-00	ELECT	47MF	20%	16V
C312	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	C364	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C314	1-124-126-00	ELECT	47MF	20%	16V	C365	1-124-903-11	ELECT	1MF	20%	50V
C315	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C366	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C316	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C367	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C317	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C368	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C318	1-124-126-00	ELECT	47MF	20%	16V	C369	1-163-031-11	CERAMIC CHIP	0.01MF		50V
C319	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	C370	1-137-364-11	FILM	0.001MF	5%	50V
C320	1-130-483-00	MYLAR	0.01MF	5%	50V	C371	1-124-126-00	ELECT	47MF	20%	16V
C321	1-124-903-11	ELECT	1MF	20%	50V	C372	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C322	1-124-903-11	ELECT	1MF	20%	50V	C373	1-124-126-00	ELECT	47MF	20%	16V
C323	1-130-483-00	MYLAR	0.01MF	5%	50V	C374	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C324	1-124-903-11	ELECT	1MF	20%	50V	C379	1-137-399-11	FILM	0.1MF	5%	50V
C325	1-124-903-11	ELECT	1MF	20%	50V	C380	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C326	1-137-368-11	FILM	0.0047MF	5%	50V	C381	1-126-964-11	ELECT	10MF	20%	50V
C327	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	C382	1-124-126-00	ELECT	47MF	20%	16V
C328	1-137-378-11	FILM	0.22MF	5%	50V	C383	1-137-399-11	FILM	0.1MF	5%	50V
C329	1-124-126-00	ELECT	47MF	20%	16V	C384	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C330	1-137-372-11	FILM	0.022MF	5%	50V	C385	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C331	1-124-925-11	ELECT	2.2MF	20%	50V	C386	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C332	1-163-249-11	CERAMIC CHIP	82PF	5%	50V	C387	1-136-165-00	FILM	0.1MF	5%	50V
C333	1-137-365-11	FILM	0.0015MF	5%	50V	C388	1-130-489-00	FILM	0.033MF	5%	50V
C334	1-124-126-00	ELECT	47MF	20%	16V	C389	1-124-126-00	ELECT	47MF	20%	16V
C335	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C390	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C336	1-126-933-11	ELECT	100MF	20%	16V	C391	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C337	1-124-126-00	ELECT	47MF	20%	16V	C392	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C338	1-124-126-00	ELECT	47MF	20%	16V	C393	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C339	1-124-126-00	ELECT	47MF	20%	16V	C394	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C340	1-124-126-00	ELECT	47MF	20%	16V	C395	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C341	1-124-126-00	ELECT	47MF	20%	16V	C396	1-124-126-00	ELECT	47MF	20%	16V
C342	1-124-126-00	ELECT	47MF	20%	16V	C397	1-137-399-11	FILM	0.1MF	5%	50V
C343	1-124-126-00	ELECT	47MF	20%	16V	C398	1-137-399-11	FILM	0.1MF	5%	50V
C344	1-124-126-00	ELECT	47MF	20%	16V	C399	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C345	1-124-126-00	ELECT	47MF	20%	16V	C400	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C346	1-163-035-00	CERAMIC CHIP	0.047MF		50V	C401	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C347	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C402	1-124-126-00	ELECT	47MF	20%	16V

B

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C403	1-124-126-00	ELECT 47MF	20%	16V	CP301	1-808-654-11	MODULE	
C404	1-163-031-11	CERAMIC CHIP 0.01MF	50%		CP302	1-236-365-11	MODULE, TRAP	
C405	1-124-126-00	ELECT 47MF	20%	16V	CP303	1-236-366-11	MODULE, TRAP	
C406	1-163-031-11	CERAMIC CHIP 0.01MF	50%					
C407	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V				
C408	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V				
C409	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V	CT301	1-141-443-11	TRIMMER, CERAMIC	
C410	1-163-121-00	CERAMIC CHIP 150PF	5%	50V	CT302	1-141-304-21	TRIMMER, CERAMIC	
C411	1-163-253-11	CERAMIC CHIP 120PF	5%	50V				
C412	1-124-903-11	ELECT 1MF	20%	50V				
C413	1-126-964-11	ELECT 10MF	20%	50V				
C414	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	D303	8-719-911-19	DIODE ISS119	
C415	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	D304	8-719-911-19	DIODE ISS119	
C416	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	D306	8-719-404-46	DIODE MA110	
C417	1-163-809-11	CERAMIC CHIP 0.047MF	10%	25V	D307	8-719-911-19	DIODE ISS119	
C418	1-163-001-11	CERAMIC CHIP 220PF	10%	50V	D308	8-719-404-46	DIODE MA110	
C419	1-136-153-00	FILM 0.01MF	5%	50V	D309	8-719-404-46	DIODE MA110	
C420	1-136-169-00	FILM 0.22MF	5%	50V	D310	8-719-404-46	DIODE MA110	
C421	1-124-903-11	ELECT 1MF	20%	50V	D311	8-719-404-46	DIODE MA110	
C422	1-136-165-00	FILM 0.1MF	5%	50V	D312	8-719-911-19	DIODE ISS119	
C423	1-124-903-11	ELECT 1MF	20%	50V	D313	8-719-911-19	DIODE ISS119	
C424	1-136-165-00	FILM 0.1MF	5%	50V	D314	8-719-911-19	DIODE ISS119	
C425	1-124-903-11	ELECT 1MF	20%	50V	D315	8-719-911-19	DIODE ISS119	
C426	1-136-165-00	FILM 0.1MF	5%	50V	D318	8-719-911-19	DIODE ISS119	
C427	1-124-903-11	ELECT 1MF	20%	50V	D319	8-719-911-19	DIODE ISS119	
C428	1-163-035-00	CERAMIC CHIP 0.047MF		50V	D320	8-719-911-19	DIODE ISS119	
C429	1-126-935-11	ELECT 470MF	20%	16V	D321	8-719-911-19	DIODE ISS119	
C430	1-124-903-11	ELECT 1MF	20%	50V	D322	8-719-911-19	DIODE ISS119	
C431	1-126-964-11	ELECT 10MF	20%	50V	D323	8-719-911-19	DIODE ISS119	
C432	1-124-903-11	ELECT 1MF	20%	50V	D324	8-719-911-19	DIODE ISS119	
C433	1-124-903-11	ELECT 1MF	20%	50V	D325	8-719-911-19	DIODE ISS119	
C434	1-124-767-00	ELECT 2.2MF	20%	50V	D326	8-719-911-19	DIODE ISS119	
C435	1-137-399-11	FILM 0.1MF	5%	50V	D327	8-719-911-19	DIODE ISS119	
C436	1-124-903-11	ELECT 1MF	20%	50V	D328	8-719-404-46	DIODE MA110	
C437	1-126-933-11	ELECT 100MF	20%	16V	D329	8-719-911-19	DIODE ISS119	
C438	1-163-035-00	CERAMIC CHIP 0.047MF		50V	D331	8-719-911-19	DIODE ISS119	
C439	1-124-126-00	ELECT 47MF	20%	16V	D333	8-719-109-88	DIODE RD5.6ESB1	
C440	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V	D334	8-719-404-46	DIODE MA110	
C441	1-163-035-00	CERAMIC CHIP 0.047MF		50V	D335	8-719-404-46	DIODE MA110	
C442	1-163-243-11	CERAMIC CHIP 47PF	5%	50V	D336	8-719-404-46	DIODE MA110	
C443	1-163-243-11	CERAMIC CHIP 47PF	5%	50V	D337	8-719-404-46	DIODE MA110	
C444	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				
C447	1-163-087-00	CERAMIC CHIP 4PF	0.25PF	50V				
C448	1-163-235-11	CERAMIC CHIP 22PF	5%	50V				
C449	1-163-113-00	CERAMIC CHIP 68PF	5%	50V				
C455	1-124-126-00	ELECT 47MF	20%	16V	DL301	1-402-699-11	DELAY LINE	
C456	1-163-257-11	CERAMIC CHIP 180PF	5%	50V	DL302	1-402-679-11	DELAY LINE	
C458	1-163-031-11	CERAMIC CHIP 0.01MF		50V				
C459	1-163-117-00	CERAMIC CHIP 100PF	5%	50V				
C460	1-163-241-11	CERAMIC CHIP 39PF	5%	50V				
C461	1-163-251-11	CERAMIC CHIP 100PF	5%	50V				
C462	1-124-927-11	ELECT 4.7MF	20%	50V				
C463	1-124-927-11	ELECT 4.7MF	20%	50V				
<CONNECTOR>								
CN301	*1-564-506-11	PLUG, CONNECTOR 3P			IC301	8-759-801-61	IC LA7220	
CN302	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P			IC302	8-759-300-71	IC HD14053BFP	
CN303	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P			IC303	8-752-056-67	IC CXA1214P	
CN304	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P			IC304	8-759-800-81	IC LA7016	
CN305	*1-564-512-11	PLUG, CONNECTOR 9P			IC305	8-759-009-06	IC MC14052BFP	
<COMPOSITION CIRCUIT BLOCK>								
					IC306	8-759-605-38	IC M51279SP	
					IC307	8-759-009-82	IC MC14011BF-T2	
					IC308	8-759-637-31	IC M52036SP	
					IC309	8-759-970-89	IC BA10358F	
					IC310	8-759-300-71	IC HD14053BFP	
					IC311	8-752-058-68	IC CXA1315M	
					IC312	8-752-067-05	IC CXA1739S	
					IC313	8-759-801-61	IC LA7220	
					IC316	8-752-058-68	IC CXA1315M	
					IC318	8-759-009-11	IC MC14070BF	

B

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC319	8-759-300-71	IC HD14053BFP		Q342	8-729-216-22	TRANSISTOR 2SA1162-G	
IC320	8-759-300-71	IC HD14053BFP		Q343	8-729-216-22	TRANSISTOR 2SA1162-G	
<COIL>							
L301	1-408-411-00	INDUCTOR	15UH	Q344	8-729-901-01	TRANSISTOR DTC144EK	
L302	1-408-411-00	INDUCTOR	15UH	Q345	8-729-901-01	TRANSISTOR DTC144EK	
L303	1-408-411-00	INDUCTOR	15UH	Q346	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L304	1-408-405-00	INDUCTOR	4.7UH	Q347	8-729-901-01	TRANSISTOR DTC144EK	
L305	1-408-401-00	INDUCTOR	2.2UH	Q348	8-729-901-01	TRANSISTOR DTC144EK	
L306	1-408-401-00	INDUCTOR	2.2UH	Q349	8-729-901-01	TRANSISTOR DTC144EK	
L307	1-408-409-00	INDUCTOR	10UH	Q350	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L308	1-410-476-11	INDUCTOR	33UH	Q351	8-729-901-01	TRANSISTOR DTC144EK	
L309	1-408-409-00	INDUCTOR	10UH	Q352	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L310	1-408-609-41	INDUCTOR	33UH	Q353	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L311	1-408-411-00	INDUCTOR	15UH	Q354	8-729-901-01	TRANSISTOR DTC144EK	
<VARIABLE COIL>							
LV301	1-404-496-00	COIL		Q361	8-729-901-01	TRANSISTOR DTC144EK	
LV302	1-404-496-00	COIL		Q362	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<RESISTOR>							
Q301	8-729-216-22	TRANSISTOR 2SA1162-G		JR306	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q302	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR308	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		JR309	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR321	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q305	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR322	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR323	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR324	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q308	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR325	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		JR326	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q311	8-729-216-22	TRANSISTOR 2SA1162-G		JR327	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q312	8-729-216-22	TRANSISTOR 2SA1162-G		JR328	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q313	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR329	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q314	8-729-216-22	TRANSISTOR 2SA1162-G		JR330	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q315	8-729-216-22	TRANSISTOR 2SA1162-G		JR331	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR332	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q317	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR333	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q318	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR334	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q319	8-729-216-22	TRANSISTOR 2SA1162-G		JR356	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q320	8-729-216-22	TRANSISTOR 2SA1162-G		JR360	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR520	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q322	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR521	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q323	8-729-216-22	TRANSISTOR 2SA1162-G		JR524	1-216-296-91	METAL GLAZE 0	5% 1/8W
Q324	8-729-216-22	TRANSISTOR 2SA1162-G		JR525	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q325	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR526	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6		JR529	1-216-295-91	METAL GLAZE 0	5% 1/10W
Q327	8-729-216-22	TRANSISTOR 2SA1162-G		R301	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q328	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R302	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q329	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R303	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
Q330	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R304	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
Q331	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R305	1-216-647-11	METAL CHIP 680	0.50% 1/10W
Q332	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R306	1-216-647-11	METAL CHIP 680	0.50% 1/10W
Q333	8-729-216-22	TRANSISTOR 2SA1162-G		R307	1-216-025-00	METAL GLAZE 100	5% 1/10W
Q334	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R308	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
Q335	8-729-216-22	TRANSISTOR 2SA1162-G		R310	1-216-105-00	METAL GLAZE 220K	5% 1/10W
Q336	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R311	1-216-081-00	METAL GLAZE 22K	5% 1/10W
Q337	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R312	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q338	8-729-216-22	TRANSISTOR 2SA1162-G		R313	1-216-051-00	METAL GLAZE 1.2K	5% 1/10W
Q339	8-729-216-22	TRANSISTOR 2SA1162-G		R314	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
Q340	8-729-216-22	TRANSISTOR 2SA1162-G		R315	1-216-049-00	METAL GLAZE 1K	5% 1/10W
Q341	8-729-216-22	TRANSISTOR 2SA1162-G		R316	1-216-075-00	METAL GLAZE 12K	5% 1/10W
				R317	1-216-049-00	METAL GLAZE 1K	5% 1/10W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R318	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W	R384	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R319	1-216-045-00	METAL GLAZE	680 5% 1/10W	R385	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R320	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R386	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R321	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R387	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R322	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R388	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R323	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R389	1-216-041-00	METAL GLAZE	470 5% 1/10W
R324	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R390	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R325	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R391	1-216-103-91	METAL GLAZE	180K 5% 1/10W
R326	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R392	1-216-679-11	METAL CHIP	15K 0.50% 1/10W
R327	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R393	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
R328	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R394	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R329	1-216-041-00	METAL GLAZE	470 5% 1/10W	R395	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R330	1-216-045-00	METAL GLAZE	680 5% 1/10W	R396	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R331	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R397	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R332	1-216-115-00	METAL GLAZE	560K 5% 1/10W	R398	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R334	1-216-033-00	METAL GLAZE	220 5% 1/10W	R399	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R335	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R400	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R336	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R401	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R337	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R402	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R339	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R403	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R340	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R404	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R341	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R405	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R342	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R406	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R343	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R407	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R344	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R408	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R345	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R409	1-216-029-00	METAL GLAZE	150 5% 1/10W
R346	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R410	1-216-029-00	METAL GLAZE	150 5% 1/10W
R347	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R411	1-216-041-00	METAL GLAZE	470 5% 1/10W
R348	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R412	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R349	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R413	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R350	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R414	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R351	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R415	1-216-045-00	METAL GLAZE	680 5% 1/10W
R352	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R416	1-216-043-00	METAL GLAZE	560 5% 1/10W
R353	1-216-033-00	METAL GLAZE	220 5% 1/10W	R417	1-216-037-00	METAL GLAZE	330 5% 1/10W
R354	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R418	1-216-043-00	METAL GLAZE	560 5% 1/10W
R355	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R419	1-216-037-00	METAL GLAZE	330 5% 1/10W
R356	1-216-033-00	METAL GLAZE	220 5% 1/10W	R420	1-216-047-00	METAL GLAZE	820 5% 1/10W
R357	1-216-033-00	METAL GLAZE	220 5% 1/10W	R421	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R358	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R422	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R359	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R423	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R360	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R424	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R361	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R425	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R362	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R426	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R363	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R427	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R364	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R428	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R365	1-216-662-11	METAL CHIP	3K 0.50% 1/10W	R429	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R366	1-216-017-00	METAL GLAZE	47 5% 1/10W	R430	1-216-039-00	METAL GLAZE	390 5% 1/10W
R367	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R431	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R368	1-216-041-00	METAL GLAZE	470 5% 1/10W	R432	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R369	1-216-041-00	METAL GLAZE	470 5% 1/10W	R433	1-216-031-00	METAL GLAZE	180 5% 1/10W
R370	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R434	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R371	1-216-295-91	METAL GLAZE	0 5% 1/10W	R435	1-216-039-00	METAL GLAZE	390 5% 1/10W
R372	1-216-025-00	METAL GLAZE	100 5% 1/10W	R437	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R373	1-216-025-00	METAL GLAZE	100 5% 1/10W	R438	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R374	1-216-295-91	METAL GLAZE	0 5% 1/10W	R439	1-216-029-00	METAL GLAZE	150 5% 1/10W
R375	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R441	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R376	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R442	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R377	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R443	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R378	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R445	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R379	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R446	1-216-043-00	METAL GLAZE	560 5% 1/10W
R380	1-216-041-00	METAL GLAZE	470 5% 1/10W	R447	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R381	1-216-041-00	METAL GLAZE	470 5% 1/10W	R448	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R382	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R449	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R383	1-216-113-00	METAL GLAZE	470K 5% 1/10W				

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R450	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1322	1-216-077-00	METAL GLAZE	15K 5% 1/10W				
R451	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1323	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R452	1-216-222-00	METAL GLAZE	10K 5% 1/8W	R1324	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R454	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R1327	1-216-077-00	METAL GLAZE	15K 5% 1/10W				
R455	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R1328	1-216-097-00	METAL GLAZE	100K 5% 1/10W				
R456	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R1332	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W				
R457	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1333	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R458	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1334	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R459	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1335	1-216-049-00	METAL GLAZE	1K 5% 1/10W				
R460	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1336	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R461	1-216-047-00	METAL GLAZE	820 5% 1/10W	R1337	1-216-085-00	METAL GLAZE	33K 5% 1/10W				
R462	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1338	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R463	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R1339	1-216-689-11	METAL GLAZE	39K 5% 1/10W				
R464	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1340	1-216-097-00	METAL GLAZE	100K 5% 1/10W				
R465	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1341	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
R467	1-216-295-91	METAL GLAZE	0 5% 1/10W	R1342	1-216-095-00	METAL GLAZE	82K 5% 1/10W				
R468	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1343	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
R470	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1344	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R471	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1348	1-216-029-00	METAL GLAZE	150 5% 1/10W				
R472	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1349	1-216-097-00	METAL GLAZE	100K 5% 1/10W				
R473	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1350	1-216-097-00	METAL GLAZE	100K 5% 1/10W				
R474	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1351	1-216-097-00	METAL GLAZE	100K 5% 1/10W				
R476	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1352	1-216-103-91	METAL GLAZE	180K 5% 1/10W				
R477	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1353	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R478	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1354	1-216-045-00	METAL GLAZE	680 5% 1/10W				
R480	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1355	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R481	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1356	1-216-079-00	METAL GLAZE	18K 5% 1/10W				
R482	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1359	1-216-093-00	METAL GLAZE	68K 5% 1/10W				
R483	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1360	1-216-017-00	METAL GLAZE	47 5% 1/10W				
R484	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1361	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W				
R485	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1362	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W				
R486	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1363	1-216-017-00	METAL GLAZE	47 5% 1/10W				
R487	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1364	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R488	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1365	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R489	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1366	1-216-083-00	METAL GLAZE	27K 5% 1/10W				
R490	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1367	1-216-240-00	METAL GLAZE	56K 5% 1/8W				
R491	1-216-025-00	METAL GLAZE	100 5% 1/10W	<VARIABLE RESISTOR>							
R492	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV301	1-241-763-11	RES, ADJ, CARBON	4.7K				
R493	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	RV302	1-241-628-11	RES, ADJ, CARBON	2.2K				
R494	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV303	1-241-763-11	RES, ADJ, CARBON	4.7K				
R495	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV306	1-241-765-11	RES, ADJ, CARBON	22K				
R496	1-216-049-00	METAL GLAZE	1K 5% 1/10W	RV307	1-238-019-11	RES, ADJ, CARBON	47K				
R497	1-216-295-91	METAL GLAZE	0 5% 1/10W	RV308	1-238-019-11	RES, ADJ, CARBON	47K				
R498	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV309	1-238-019-11	RES, ADJ, CARBON	47K				
R499	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV310	1-241-630-11	RES, ADJ, CARBON	10K				
R1300	1-216-073-00	METAL GLAZE	10K 5% 1/10W	RV311	1-241-630-11	RES, ADJ, CARBON	10K				
R1301	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	RV312	1-241-630-11	RES, ADJ, CARBON	10K				
R1302	1-216-037-00	METAL GLAZE	330 5% 1/10W	<TRANSFORMER>							
R1303	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	T301	1-404-584-11	COIL					
R1304	1-216-049-00	METAL GLAZE	1K 5% 1/10W	<CRYSTAL>							
R1305	1-216-039-00	METAL GLAZE	390 5% 1/10W	X301	1-527-722-00	OSCILLATOR, CRYSTAL					
R1306	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	X302	1-579-057-11	VIBRATOR, CRYSTAL					
R1307	1-216-025-00	METAL GLAZE	100 5% 1/10W	*****							
R1308	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W								
R1309	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1310	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1311	1-215-413-00	METAL	470 1% 1/4W								
R1312	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W								
R1313	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1314	1-216-075-00	METAL GLAZE	12K 5% 1/10W								
R1315	1-216-033-00	METAL GLAZE	220 5% 1/10W								
R1316	1-216-033-00	METAL GLAZE	220 5% 1/10W								
R1320	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1321	1-216-079-00	METAL GLAZE	18K 5% 1/10W								

The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1297-256-A	A BOARD, COMPLETE (PVM-2950QM(AEP)) *****			C574	1-107-650-11	ELECT	3.3MF 20%
*A-1297-382-A	A BOARD, COMPLETE (PVM-2950QM(AUS)) *****			C575	1-102-038-00	CERAMIC	0.001MF 20% 250V
*A-1297-387-A	A BOARD, COMPLETE (PVM-2950Q) ***** (INCLUDIG M,DX BOARD)			C576	1-124-797-11	ELECT	0.47MF 20% 160V
4-382-854-01	SCREW (M3X8), P, SW (+)			C577	1-123-950-00	ELECT	47MF 20% 250V
	<CAPACITOR>			C578	1-123-024-21	ELECT	33MF 20% 160V
C517	1-106-391-12	MYLAR	0.1MF 10%	C579	1-104-664-11	ELECT	47MF 20% 25V
C518	1-128-577-11	ELECT	0.47MF 20%	C580	1-130-491-00	MYLAR	0.047MF 5% 50V
C519	1-102-110-00	CERAMIC	220PF 10%	C581	1-126-803-11	ELECT	47MF 20% 50V
C520	1-162-318-11	CERAMIC	0.001MF 10%	C582	1-126-969-11	ELECT	220MF 20% 50V
C521	1-162-117-00	CERAMIC	100PF 10%	C583	1-102-114-00	CERAMIC	470PF 10% 50V
C522	△ 1-162-116-00	CERAMIC	680PF 10%	C584	1-136-171-00	FILM	0.33MF 5% 50V
C523	△ 1-137-604-11	FILM	0.022MF 2%	C585	1-128-528-11	ELECT	470MF 20% 25V
C524	△ 1-162-116-00	CERAMIC	680PF 10%	C586	1-126-969-11	ELECT	220MF 20% 50V
C525	△ 1-137-515-11	FILM	0.056MF 3%	C587	1-104-664-11	MYLAR	470PF 5% 50V
C526	1-137-114-11	FILM	0.68MF 5%	C588	1-126-967-11	ELECT	47MF 20% 25V
C527	1-106-343-00	MYLAR	0.001MF 10%	C589	1-130-467-00	ELECT	47MF 20% 16V
C528	1-136-105-00	FILM	0.33MF 5%	C590	1-104-664-11	ELECT	47MF 20% 50V
C529	1-104-709-11	ELECT	4.7MF 0	C591	1-126-967-11	MYLAR	470PF 5% 50V
C530	1-137-516-11	FILM	1.2MF 5%	C592	1-104-664-11	ELECT	47MF 20% 25V
C531	1-137-116-11	FILM	1MF 5%	C593	1-126-967-11	ELECT	47MF 20% 25V
C532	1-107-652-11	ELECT	10MF 20%	C594	1-126-967-11	ELECT	47MF 20% 25V
C533	△ 1-162-116-00	CERAMIC	680PF 10%	C595	1-126-967-11	ELECT	47MF 20% 25V
C535	1-136-165-00	FILM	0.1MF 5%	C596	1-124-126-00	ELECT	47MF 20% 16V
C536	1-124-927-11	ELECT	4.7MF 20%	C597	1-109-889-11	ELECT	1MF 20% 50V
C537	1-106-355-12	MYLAR	0.0033MF 10%	C598	1-124-126-00	ELECT	47MF 20% 16V
C538	1-130-487-00	MYLAR	0.022MF 5%	C599	1-106-222-00	MYLAR	0.12MF 10% 100V
C539	1-136-173-00	FILM	0.47MF 5%	C600	1-126-157-11	ELECT	10MF 20% 16V
C542	1-130-471-00	FILM	0.001MF 5%	C601	1-126-967-11	ELECT	47MF 20% 50V
C543	1-136-161-00	FILM	0.047MF 5%	C602	1-126-157-11	ELECT	10MF 20% 16V
C545	1-126-964-11	ELECT	10MF 20%	C603	1-126-157-11	ELECT	10MF 20% 16V
C546	1-130-471-00	MYLAR	0.001MF 5%	C604	1-126-967-11	ELECT	47MF 20% 50V
C547	1-106-343-00	FILM	0.001MF 5%	C605	1-126-967-11	ELECT	47MF 20% 16V
C548	1-124-902-00	ELECT	0.47MF 20%	C606	1-124-126-00	ELECT	47MF 20% 16V
C549	1-130-471-00	MYLAR	0.001MF 5%	C607	1-126-953-11	ELECT	2200MF 20% 35V
C550	1-104-664-11	ELECT	47MF 20%	C608	1-126-952-11	ELECT	1000MF 20% 35V
C551	1-104-664-11	ELECT	47MF 20%	C609	1-126-953-11	ELECT	2200MF 20% 35V
C552	1-126-964-11	ELECT	10MF 20%	C610	1-136-165-00	FILM	0.1MF 5% 50V
C553	1-136-161-00	FILM	0.047MF 5%	C611	1-136-165-00	FILM	0.1MF 5% 50V
C554	1-136-161-00	FILM	0.047MF 5%	C612	1-126-157-11	ELECT	10MF 20% 16V
C556	1-126-964-11	ELECT	10MF 20%	C613	1-126-953-11	ELECT	2200MF 20% 35V
C557	1-136-169-00	FILM	0.22MF 5%	C614	1-124-126-00	ELECT	47MF 20% 16V
C558	1-129-718-00	FILM	0.022MF 5%	C615	1-136-177-00	FILM	1MF 5% 50V
C559	1-106-387-00	MYLAR	0.068MF 10%	C616	1-107-910-11	ELECT	100MF 20% 50V
C560	1-129-898-00	FILM	0.0022MF 5%	C617	1-130-495-00	MYLAR	0.1MF 5% 50V
C561	1-102-244-00	CERAMIC	220PF 10%	C618	1-130-495-00	MYLAR	0.1MF 5% 50V
C562	1-129-702-00	FILM	0.001MF 10%	C619	1-130-495-00	MYLAR	0.1MF 5% 50V
C563	1-102-228-00	CERAMIC	470PF 10%	C620	1-124-598-11	ELECT	22MF 20% 25V
C564	1-102-228-00	CERAMIC	470PF 10%	C621	1-124-598-11	ELECT	22MF 20% 25V
C565	1-126-941-11	ELECT	470MF 20%	C622	1-126-934-11	ELECT	220MF 20% 16V
C566	1-128-528-11	ELECT	470MF 20%	C630	1-126-964-11	ELECT	10MF 20% 50V
C567	1-126-925-11	ELECT	470MF 20%	C631	1-104-665-11	ELECT	100MF 20% 25V
C568	1-102-244-00	CERAMIC	220PF 10%	C632	1-162-117-00	CERAMIC	100PF 10% 500V
C569	1-162-114-00	CERAMIC	0.0047MF 2KV	C633	1-102-074-00	CERAMIC	0.001MF 10% 50V
C570	1-162-116-00	CERAMIC	680PF 10%	C634	1-136-165-00	FILM	0.1MF 5% 50V
C571	1-162-116-00	CERAMIC	680PF 10%	C635	1-136-165-00	FILM	0.1MF 5% 50V
C572	1-106-359-00	MYLAR	0.0047MF 10%	C636	1-126-964-11	ELECT	10MF 20% 50V
C573	1-126-923-11	ELECT	220MF 20%	C637	1-126-964-11	ELECT	10MF 20% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C816	1-124-234-00	ELECT	22MF	20%	16V	CN509	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C817	1-124-927-11	ELECT	4.7MF	20%	50V	CN510	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C818	1-124-126-00	ELECT	47MF	20%	16V	CN511	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C819	1-136-165-00	FILM	0.1MF	5%	50V	CN512	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C820	1-126-935-11	ELECT	470MF	20%	16V	CN513	*1-564-508-11	PLUG, CONNECTOR 5P
C822	1-126-933-11	ELECT	100MF	20%	10V	CN514	*1-564-507-11	PLUG, CONNECTOR 4P
C823	1-106-371-00	MYLAR	0.015MF	10%	100V	CN515	*1-564-508-11	PLUG, CONNECTOR 5P
C901	1-136-173-00	FILM	0.47MF	5%	50V	CN520	*1-564-512-11	PLUG, CONNECTOR 9P
C902	1-126-964-11	ELECT	10MF	20%	50V	CN530	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P
C903	1-136-169-00	FILM	0.22MF	5%	50V	CN1804	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P
C904	1-130-471-00	MYLAR	0.001MF	5%	50V	CN1805	1-573-297-11	CONNECTOR, BOARD TO BOARD 18P
C905	1-126-964-11	ELECT	10MF	20%	50V	DY1	*1-580-798-11	CONNECTOR PIN (DY) 6P
C906	1-124-798-11	ELECT	1MF	20%	160V	DY-2	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P
C907	1-124-902-00	ELECT	0.47MF	20%	50V			
C908	1-102-112-00	CERAMIC	330PF	10%	50V			
C910	1-136-103-00	FILM	0.1MF	5%	200V			<DIODE>
C911	1-136-165-00	FILM	0.1MF	5%	50V	D505	8-719-110-78	DIODE RD33ESB2
C914	1-106-367-00	MYLAR	0.01MF	10%	100V	D506	8-719-911-19	DIODE ISS119
C915	1-124-903-11	ELECT	1MF	20%	50V	D507	8-719-911-19	DIODE ISS119
C917	1-130-471-00	MYLAR	0.001MF	5%	50V	D508	8-719-911-19	DIODE ISS119
C918	1-102-074-00	CERAMIC	0.001MF	10%	50V	D509	8-719-970-87	DIODE ERA38-06
C920	1-136-601-11	FILM	0.01MF	5%	630V	D510	8-719-302-43	DIODE EL1Z
C923	1-130-471-00	MYLAR	0.001MF	5%	50V	D511	8-719-300-33	DIODE RU-3AM
C925	1-126-964-11	ELECT	10MF	20%	50V	D512	8-719-979-85	DIODE EGP20G
C926	1-136-165-00	FILM	0.1MF	5%	50V	D513	8-719-312-72	DIODE RU30A
C927	1-136-171-00	FILM	0.33MF	5%	50V	D515	8-719-302-43	DIODE EL1Z
C928	1-126-964-11	ELECT	10MF	20%	50V	D516	8-719-018-82	DIODE RGP02-20EL-6394
C930	1-136-153-00	FILM	0.01MF	5%	50V	D517	8-719-110-03	DIODE RD7.5ESB2
C932	1-130-475-00	MYLAR	0.0022MF	5%	50V	D519	8-719-911-19	DIODE ISS119
C1601	1-102-106-00	CERAMIC	100PF	10%	50V	D520	8-719-908-03	DIODE GP08D
C1602	1-102-114-00	CERAMIC	470PF	10%	50V	D521	8-719-110-78	DIODE RD33ESB2
C1603	1-130-481-00	MYLAR	0.0068MF	5%	50V	D522	8-719-911-19	DIODE ISS119
C1604	1-124-903-11	ELECT	1MF	20%	50V	D523	8-719-911-19	DIODE ISS119
C1605	1-124-925-11	ELECT	2.2MF	20%	50V	D524	8-719-028-72	DIODE RGP02-17EL-6433
C1606	1-130-483-00	MYLAR	0.01MF	5%	50V	D525	8-719-109-88	DIODE RD5.6ESB1
C1607	1-124-903-11	ELECT	1MF	20%	50V	D526	8-719-109-93	DIODE RD6.2ESB2
C1608	1-130-479-00	MYLAR	0.0047MF	5%	50V	D530	8-719-510-48	DIODE D1N20R
C1610	1-130-499-00	MYLAR	0.22MF	5%	50V	D531	8-719-510-48	DIODE D1N20R
C1611	1-130-481-00	MYLAR	0.0068MF	5%	50V	D532	8-719-110-90	DIODE RD39ESB4
C1612	1-124-927-11	ELECT	4.7MF	20%	50V	D533	8-719-911-19	DIODE ISS119
C1613	1-130-475-00	MYLAR	0.0022MF	5%	50V	D534	8-719-911-19	DIODE ISS119
C1614	1-126-964-11	ELECT	10MF	20%	50V	D535	8-719-911-19	DIODE ISS119
C1620	1-136-161-00	FILM	0.047MF	5%	50V	D550	8-719-911-19	DIODE ISS119
C1621	1-102-110-00	CERAMIC	220PF	10%	50V	D551	8-719-981-50	DIODE RB-100A
C1627	1-136-173-00	FILM	0.47MF	5%	50V	D650	8-719-109-88	DIODE RD5.6ESB1
C1670	1-126-964-11	ELECT	10MF	20%	50V	D652	8-719-911-19	DIODE ISS119
C1671	1-101-361-00	CERAMIC	150PF	5%	50V	D653	8-719-911-19	DIODE ISS119
C1672	1-101-361-00	CERAMIC	150PF	5%	50V	D654	8-719-109-54	DIODE RD2.2ESB2
C1673	1-101-361-00	CERAMIC	150PF	5%	50V	D655	8-719-911-19	DIODE ISS119
C1674	1-124-925-11	ELECT	2.2MF	20%	50V	D680	8-719-109-88	DIODE RD5.6ESB1
C1675	1-136-153-00	FILM	0.01MF	5%	50V	D681	8-719-911-19	DIODE ISS119
C1676	1-136-169-00	FILM	0.22MF	5%	50V	D682	8-719-911-19	DIODE ISS119 (PVM-2950Q/2950QM(AUS))
C1677	1-126-964-11	ELECT	10MF	20%	50V	D683	8-719-911-19	DIODE ISS119 (PVM-2950Q/2950QM(AUS))
C1678	1-102-110-00	CERAMIC	220PF	10%	50V	D684	8-719-911-19	DIODE ISS119
C1680	1-124-925-11	ELECT	2.2MF	20%	50V	D801	8-719-987-87	DIODE ERA85-009
C1681	1-124-126-00	ELECT	47MF	20%	16V	D804	8-719-911-19	DIODE ISS119
C1813	1-136-756-11	FILM	0.24MF	5%	200V	D805	8-719-801-35	THYRISTOR SH0R3D42
C1825	1-106-391-12	MYLAR	0.1MF	10%	200V	D806	8-719-980-78	DIODE ERA83-006
						D807	8-719-980-78	DIODE ERA83-006
						D808	8-719-911-19	DIODE ISS119
						D809	8-719-911-19	DIODE ISS119
<CONNECTOR>				D810	8-719-911-19	DIODE ISS119		
CN501	*1-573-986-11	PIN, CONNECTOR (PC BOARD)	5P			D811	8-719-302-43	DIODE EL1Z
CN507	*1-573-964-11	PIN, CONNECTOR (PC BOARD)	6P					
CN508	1-573-297-11	CONNECTOR, BOARD TO BOARD	18P					

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

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Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>							
R522	1-249-411-11	CARBON	330 5% 1/4W	R589	1-249-441-11	CARBON	100K 5% 1/4W
R523	1-249-423-11	CARBON	3.3K 5% 1/4W	R590	1-247-901-11	CARBON	820K 5% 1/4W
R524	1-260-331-11	CARBON	1.8K 5% 1/2W	R591	1-215-881-11	METAL OXIDE	15 5% 2W F
R525	1-216-480-11	METAL OXIDE	820 5% 3W F	R592	1-260-320-11	CARBON	220 5% 1/2W
R526	1-216-480-11	METAL OXIDE	820 5% 3W F	R598	1-215-882-00	METAL OXIDE	22 5% 2W F
R527	1-249-401-11	CARBON	47 5% 1/4W	R599	1-249-437-11	CARBON	47K 5% 1/4W
R528	1-249-397-11	CARBON	22 5% 1/4W F	R600	1-249-429-11	CARBON	10K 5% 1/4W
R529	1-249-393-11	CARBON	10 5% 1/4W F	R601	1-249-437-11	CARBON	47K 5% 1/4W
R530	1-249-393-11	CARBON	10 5% 1/4W F	R602	1-215-453-00	METAL	22K 1% 1/4W
R531	1-249-425-11	CARBON	4.7K 5% 1/4W	R604	1-215-455-00	METAL	27K 1% 1/4W
R532	1-247-887-00	CARBON	220K 5% 1/4W F	R605	1-216-370-11	METAL OXIDE	1.2 5% 2W F
R533	1-215-878-00	METAL OXIDE	33K 5% 1W F	R606	1-215-913-11	METAL OXIDE	220 5% 3W F
R534	1-249-437-11	CARBON	47K 5% 1/4W	R607	1-249-383-11	CARBON	1.5 5% 1/4W F
R535	1-215-473-00	METAL	150K 1% 1/4W	R610	1-249-432-11	CARBON	18K 5% 1/4W
R536	1-215-445-00	METAL	10K 1% 1/4W	R611	1-249-432-11	CARBON	18K 5% 1/4W
R537	1-215-463-00	METAL	56K 1% 1/4W	R612	1-249-425-11	CARBON	4.7K 5% 1/4W
R538	1-215-449-00	METAL	15K 1% 1/4W	R613	1-249-437-11	CARBON	47K 5% 1/4W
R539	1-249-425-11	CARBON	4.7K 5% 1/4W	R614	1-249-421-11	CARBON	2.2K 5% 1/4W
R542	1-249-434-11	CARBON	27K 5% 1/4W	R615	1-249-409-11	CARBON	220 5% 1/4W
R545	1-247-889-00	CARBON	270K 5% 1/4W	R620	1-249-424-11	CARBON	3.9K 5% 1/4W
R546	1-249-441-11	CARBON	100K 5% 1/4W	R621	1-249-424-11	CARBON	3.9K 5% 1/4W
R547	1-249-441-11	CARBON	100K 5% 1/4W	R622	1-249-410-11	CARBON	270 5% 1/4W
R548	1-215-449-00	METAL	15K 1% 1/4W	R623	1-249-425-11	CARBON	4.7K 5% 1/4W
R549	1-249-441-11	CARBON	100K 5% 1/4W	R624	1-249-425-11	CARBON	4.7K 5% 1/4W
R550	1-215-441-00	METAL	6.8K 1% 1/4W	R625	1-249-410-11	CARBON	270 5% 1/4W
R551	1-215-457-00	METAL	33K 1% 1/4W	R626	1-249-433-11	CARBON	22K 5% 1/4W
R552	1-215-465-00	METAL	68K 1% 1/4W	R627	1-249-433-11	CARBON	22K 5% 1/4W
R553	1-247-903-00	CARBON	1M 5% 1/4W	R628	1-249-441-11	CARBON	100K 5% 1/4W
R554	1-249-419-11	CARBON	1.5K 5% 1/4W	R629	1-247-883-00	CARBON	150K 5% 1/4W
R555	1-249-438-11	CARBON	56K 5% 1/4W	R630	1-249-398-11	CARBON	27 5% 1/4W F
R556	1-249-423-11	CARBON	3.3K 5% 1/4W	R631	1-249-441-11	CARBON	100K 5% 1/4W
R557	1-249-435-11	CARBON	33K 5% 1/4W	R632	1-249-385-11	CARBON	2.2 5% 1/4W F
R558	1-249-433-11	CARBON	22K 5% 1/4W	R633	1-249-385-11	CARBON	2.2 5% 1/4W F
R559	1-249-417-11	CARBON	1K 5% 1/4W	R634	1-215-888-00	METAL OXIDE	220 5% 2W F
R560	1-249-429-11	CARBON	10K 5% 1/4W	R635	1-215-444-00	METAL	9.1K 1% 1/4W
R561	1-249-437-11	CARBON	47K 5% 1/4W	R636	1-215-425-00	METAL	1.5K 1% 1/4W
R562	1-249-437-11	CARBON	47K 5% 1/4W	R637	1-249-429-11	CARBON	10K 5% 1/4W
R563	1-249-441-11	CARBON	100K 5% 1/4W	R638	1-249-417-11	CARBON	1K 5% 1/4W
R564	1-249-415-11	CARBON	680 5% 1/4W	R650	1-216-382-11	METAL OXIDE	0.27 5% 3W F
R565	1-215-450-00	METAL	16K 1% 1/4W	R651	1-249-417-11	CARBON	1K 5% 1/4W F
R566	1-249-410-11	CARBON	270 5% 1/4W	R652	1-249-405-11	CARBON	100 5% 1/4W F
R567	1-249-402-11	CARBON	56 5% 1/4W	R670	1-249-409-11	CARBON	220 5% 1/4W
R568	1-249-411-11	CARBON	330 5% 1/4W	R671	1-249-429-11	CARBON	10K 5% 1/4W
R569	1-249-441-11	CARBON	100K 5% 1/4W	R680	1-249-426-11	CARBON	5.6K 5% 1/4W
R570	1-249-441-11	CARBON	100K 5% 1/4W	R682	1-249-409-11	CARBON	220 5% 1/4W F
R571	1-249-441-11	CARBON	100K 5% 1/4W	R683	1-249-429-11	CARBON	10K 5% 1/4W
R572	1-216-439-00	METAL OXIDE	12K 5% 1W F	R684	1-249-425-11	CARBON	4.7K 5% 1/4W
R573	1-216-459-00	METAL OXIDE	2.7K 5% 2W F	R685	1-249-425-11	CARBON	4.7K 5% 1/4W
R574	1-216-459-00	METAL OXIDE	2.7K 5% 2W F	R686	1-249-423-11	CARBON	3.3K 5% 1/4W
R575	1-202-826-00	SOLID	4.7K 20% 1/2W	R687	1-247-807-31	CARBON	100 5% 1/4W
R576	1-259-882-11	CARBON	3.3M 5% 1/4W	R688	1-216-455-11	METAL OXIDE	560 5% 2W F
R577	1-249-443-11	CARBON	0.47 5% 1/4W F	R689	1-215-471-00	METAL	120K 1% 1/4W
R578	1-249-443-11	CARBON	0.47 5% 1/4W F	R801	1-249-409-11	CARBON	220 5% 1/4W
R580	1-249-496-11	CARBON	100K 5% 1/2W	R802	1-249-409-11	CARBON	220 5% 1/4W
R581 ▲				R804	1-247-891-00	CARBON	330K 5% 1/4W
R582	1-249-417-11	CARBON	1K 5% 1/4W	R808	1-215-463-00	METAL	56K 1% 1/4W
R583 ▲				R809	1-249-423-11	CARBON	3.3K 5% 1/4W
R584	1-249-425-11	CARBON	4.7K 5% 1/4W	R810	1-249-413-11	CARBON	470 5% 1/4W
R585	1-249-425-11	CARBON	4.7K 5% 1/4W	R811	1-249-434-11	CARBON	27K 5% 1/4W
R586	1-247-903-00	CARBON	1M 5% 1/4W	R812	1-249-438-11	CARBON	56K 5% 1/4W
R587	1-249-440-11	CARBON	82K 5% 1/4W	R813	1-249-417-11	CARBON	1K 5% 1/4W
R588	1-215-869-11	METAL OXIDE	1K 5% 1W F	R814	1-249-429-11	CARBON	10K 5% 1/4W
				R815	1-249-427-11	CARBON	6.8K 5% 1/4W
				R816	1-249-425-11	CARBON	4.7K 5% 1/4W

* The components identified by **■** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R817	1-249-422-11	CARBON	2.7K 5% 1/4W	R938	1-247-807-31	CARBON	100 5% 1/4W
R818	1-249-417-11	CARBON	1K 5% 1/4W	R939	1-249-405-11	CARBON	100 5% 1/4W F
R820	1-249-417-11	CARBON	1K 5% 1/4W	R940	1-249-405-11	CARBON	100 5% 1/4W F
R821	1-216-379-11	METAL OXIDE	6.8 5% 2W F	R941	1-247-807-31	CARBON	100 5% 1/4W
R822	1-249-423-11	CARBON	3.3K 5% 1/4W F	R944	1-249-432-11	CARBON	18K 5% 1/4W
R824	1-249-419-11	CARBON	1.5K 5% 1/4W F	R945	1-247-895-00	CARBON	470K 5% 1/4W
R825	1-215-857-11	METAL OXIDE	10 5% 1W F	R946	1-249-425-11	CARBON	4.7K 5% 1/4W
R826	1-249-404-00	CARBON	82 5% 1/4W	R947	1-249-419-11	CARBON	1.5K 5% 1/4W F
R827	1-216-438-11	METAL OXIDE	8.2K 5% 1W F	R948	1-249-435-11	CARBON	33K 5% 1/4W
R828	1-249-441-11	CARBON	100K 5% 1/4W	R950	1-249-425-11	CARBON	4.7K 5% 1/4W
R829	1-249-414-11	CARBON	560 5% 1/4W	R952	1-247-807-31	CARBON	100 5% 1/4W
R830	1-249-411-11	CARBON	330 5% 1/4W	R953	1-247-889-00	CARBON	270K 5% 1/4W
R831	1-249-426-11	CARBON	5.6K 5% 1/4W	R954	1-247-889-00	CARBON	270K 5% 1/4W
R832	1-215-864-00	METAL OXIDE	150 5% 1W F	R956	1-249-433-11	CARBON	22K 5% 1/4W
R833	1-249-421-11	CARBON	2.2K 5% 1/4W	R1601	1-215-461-00	METAL	47K 1% 1/4W
R834	1-249-433-11	CARBON	22K 5% 1/4W	R1602	1-249-429-11	CARBON	10K 5% 1/4W
R835	1-249-393-11	CARBON	10 5% 1/4W	R1603	1-215-451-00	METAL	18K 1% 1/4W
R836	1-249-435-11	CARBON	33K 5% 1/4W	R1604	1-215-445-00	METAL	10K 1% 1/4W
R837	1-249-435-11	CARBON	33K 5% 1/4W	R1605	1-215-421-00	METAL	1K 1% 1/4W
R838	1-215-857-11	METAL OXIDE	10 5% 1W F	R1606	1-249-423-11	CARBON	3.3K 5% 1/4W
R839	1-249-410-11	CARBON	270 5% 1/4W	R1607	1-249-436-11	CARBON	39K 5% 1/4W
R840	1-249-429-11	CARBON	10K 5% 1/4W	R1608	1-215-445-00	METAL	10K 1% 1/4W
R841	1-249-437-11	CARBON	47K 5% 1/4W	R1609	1-215-445-00	METAL	10K 1% 1/4W
R842	1-249-429-11	CARBON	10K 5% 1/4W	R1610	1-249-423-11	CARBON	3.3K 5% 1/4W
R843	1-249-421-11	CARBON	2.2K 5% 1/4W	R1611	1-249-421-11	CARBON	2.2K 5% 1/4W
R844	1-249-421-11	CARBON	2.2K 5% 1/4W	R1612	1-215-467-00	METAL	82K 1% 1/4W
R845	1-249-417-11	CARBON	1K 5% 1/4W	R1613	1-215-469-00	METAL	100K 1% 1/4W
R901	1-249-425-11	CARBON	4.7K 5% 1/4W	R1614	1-249-430-11	CARBON	12K 5% 1/4W
R902	1-249-438-11	CARBON	56K 5% 1/4W	R1615	1-249-431-11	CARBON	15K 5% 1/4W
R903	1-249-429-11	CARBON	10K 5% 1/4W	R1616	1-247-807-31	CARBON	100 5% 1/4W
R904	1-249-429-11	CARBON	10K 5% 1/4W	R1617	1-249-431-11	CARBON	15K 5% 1/4W
R905	1-249-429-11	CARBON	10K 5% 1/4W	R1618	1-249-429-11	CARBON	10K 5% 1/4W
R906	1-249-425-11	CARBON	4.7K 5% 1/4W	R1619	1-249-437-11	CARBON	47K 5% 1/4W
R907	1-249-429-11	CARBON	10K 5% 1/4W	R1622	1-249-428-11	CARBON	8.2K 5% 1/4W
R908	1-249-434-11	CARBON	27K 5% 1/4W	R1623	1-249-427-11	CARBON	6.8K 5% 1/4W
R909	1-215-465-00	METAL	68K 1% 1/4W	R1624	1-249-429-11	CARBON	10K 5% 1/4W
R910	1-215-457-00	METAL	33K 1% 1/4W	R1625	1-249-433-11	CARBON	22K 5% 1/4W
R911	1-249-441-11	CARBON	100K 5% 1/4W	R1626	1-249-440-11	CARBON	82K 5% 1/4W
R912	1-249-429-11	CARBON	10K 5% 1/4W	R1631	1-249-425-11	CARBON	4.7K 5% 1/4W
R913	1-249-425-11	CARBON	4.7K 5% 1/4W	R1635	1-215-437-00	METAL	4.7K 1% 1/4W
R914	1-249-401-11	CARBON	47 5% 1/4W	R1636	1-247-887-00	CARBON	220K 5% 1/4W
R915	1-249-425-11	CARBON	4.7K 5% 1/4W	R1637	1-215-439-00	METAL	5.6K 1% 1/4W
R916	1-249-421-11	CARBON	2.2K 5% 1/4W	R1638	1-215-439-00	METAL	5.6K 1% 1/4W
R917	1-249-439-11	CARBON	68K 5% 1/4W	R1639	1-249-434-11	CARBON	27K 5% 1/4W
R918	1-249-413-11	CARBON	470 5% 1/4W	R1640	1-215-433-00	METAL	3.3K 1% 1/4W
R919	1-249-437-11	CARBON	47K 5% 1/4W	R1641	1-215-437-00	METAL	4.7K 1% 1/4W
R920	1-249-418-11	CARBON	1.2K 5% 1/4W F	R1642	1-249-426-11	CARBON	5.6K 5% 1/4W
R921	1-215-876-00	METAL OXIDE	15K 5% 1W F	R1643	1-215-455-00	METAL	27K 1% 1/4W
R922	1-215-870-11	METAL OXIDE	1.5K 5% 1W F	R1660	1-215-424-00	METAL	1.3K 1% 1/4W
R923	1-249-429-11	CARBON	10K 5% 1/4W	R1661	1-215-451-00	METAL	18K 1% 1/4W
R924	1-249-423-11	CARBON	3.3K 5% 1/4W	R1662	1-249-441-11	CARBON	100K 5% 1/4W
R925	1-249-415-11	CARBON	680 5% 1/4W	R1663	1-249-428-11	CARBON	8.2K 5% 1/4W
R926	1-249-409-11	CARBON	220 5% 1/4W	R1664	1-249-425-11	CARBON	4.7K 5% 1/4W
R927	1-249-429-11	CARBON	10K 5% 1/4W	R1665	1-249-425-11	CARBON	4.7K 5% 1/4W
R928	1-249-421-11	CARBON	2.2K 5% 1/4W	R1666	1-249-429-11	CARBON	10K 5% 1/4W
R929	1-249-429-11	CARBON	10K 5% 1/4W	R1667	1-247-807-31	CARBON	100 5% 1/4W
R930	1-249-434-11	CARBON	27K 5% 1/4W	R1668	1-249-429-11	CARBON	10K 5% 1/4W
R931	1-249-421-11	CARBON	2.2K 5% 1/4W	R1669	1-249-437-11	CARBON	47K 5% 1/4W
R933	1-249-421-11	CARBON	2.2K 5% 1/4W	R1670	1-249-429-11	CARBON	10K 5% 1/4W
R934	1-249-439-11	CARBON	68K 5% 1/4W	R1671	1-249-429-11	CARBON	10K 5% 1/4W
R935	1-249-429-11	CARBON	10K 5% 1/4W	R1672	1-249-433-11	CARBON	22K 5% 1/4W
R936	1-249-429-11	CARBON	10K 5% 1/4W	R1673	1-215-445-00	METAL	10K 1% 1/4W
R937	1-249-421-11	CARBON	2.2K 5% 1/4W	R1674	1-249-421-11	CARBON	2.2K 5% 1/4W

M	DX
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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R813	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1511	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V		
R814	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1512	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
R815	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1513	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V		
R816	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1515	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R817	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1517	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R818	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1518	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
R819	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1519	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V		
R821	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1520	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V		
R822	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1521	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V		
R823	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1522	1-136-171-00	FILM 0.33MF	5% 50V		
R824	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1523	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V		
R825	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1524	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V		
R826	1-216-033-00	METAL GLAZE	220 5% 1/10W	C1525	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V		
R827	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1526	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
R828	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1528	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R829	1-216-033-00	METAL GLAZE	220 5% 1/10W	C1529	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R830	1-216-033-00	METAL GLAZE	220 5% 1/10W	C1534	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R831	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C1537	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R832	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C1538	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R833	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C1539	1-104-665-11	ELECT 100MF	20% 25V		
R834	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1540	1-104-665-11	ELECT 100MF	20% 25V		
R835	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1541	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R836	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C1542	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R837	1-216-049-00	METAL GLAZE	1K 5% 1/10W	C1543	1-163-031-11	CERAMIC CHIP 0.01MF	50V		
R838	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1545	1-124-927-11	ELECT 4.7MF	20% 50V		
R839	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1550	1-136-177-00	FILM 1MF	5% 50V		
R840	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1551	1-126-157-11	ELECT 10MF	20% 16V		
R841	1-216-025-00	METAL GLAZE	100 5% 1/10W	C1552	1-136-159-00	FILM 0.033MF	5% 50V		
R842	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C1590	1-162-638-11	CERAMIC CHIP 1MF	16V		
R843	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C1591	1-162-638-11	CERAMIC CHIP 1MF	16V		
R844	1-216-033-00	METAL GLAZE	220 5% 1/10W	C1592	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V		
R845	1-216-033-00	METAL GLAZE	220 5% 1/10W	<CONNECTOR>					
R846	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	CN1501 1-573-965-21 PIN, CONNECTOR (PC BOARD) 50P					
R848	1-216-025-00	METAL GLAZE	100 5% 1/10W	<DIODE>					
R849	1-216-033-00	METAL GLAZE	220 5% 1/10W	D1501	8-719-404-46	DIODE MA110			
R850	1-216-033-00	METAL GLAZE	220 5% 1/10W	D1502	8-719-037-03	DIODE RD6.8SB1-T1			
R851	1-216-033-00	METAL GLAZE	220 5% 1/10W	D1505	8-719-404-46	DIODE MA110			
R852	1-216-025-00	METAL GLAZE	100 5% 1/10W	D1506	8-719-404-46	DIODE MA110			
R853	1-216-049-00	METAL GLAZE	1K 5% 1/10W	D1507	8-719-404-46	DIODE MA110			
R854	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1508	8-719-404-46	DIODE MA110			
R855	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1590	8-719-033-52	DIODE RD5.1SB1-T1			
R856	1-216-073-00	METAL GLAZE	10K 5% 1/10W	D1591	8-719-404-46	DIODE MA110			
<CRYSTAL>									
X801	1-760-040-11	VIBRATOR, CRYSTAL		<IC>					

*A-1341-764-A DX BOARD, COMPLETE									

<CAPACITOR>									
C1501	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC1501	8-752-347-92	IC CXD2018Q			
C1502	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC1502	8-752-347-92	IC CXD2018Q			
C1503	1-163-031-11	CERAMIC CHIP 0.01MF	50V	IC1503	8-759-970-89	IC BA10358F			
C1504	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	IC1504	8-759-970-89	IC BA10358F			
C1505	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	IC1505	8-759-970-89	IC BA10358F			
C1506	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	IC1506	8-752-058-68	IC CXA1315M			
C1507	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	IC1507	8-759-032-16	IC MC74HC08AF-T2			
C1508	1-136-171-00	FILM 0.33MF	5% 50V	IC1508	8-759-032-16	IC MC74HC08AF-T2			
C1509	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	IC1509	8-759-925-80	IC SN74HC14ANS			
C1510	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	IC1511	8-759-032-20	IC MC74HC32AF			
				IC1514	8-759-236-47	IC TC74HC164AF (EL)			
				IC1516	8-759-236-47	IC TC74HC164AF (EL)			
				IC1518	8-759-970-89	IC BA10358F			
				IC1590	8-759-970-89	IC BA10358F			

DX G1 G (PVM-2950Q)

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<COIL>							
L1501	1-408-409-00	INDUCTOR	10UH	R1561	1-216-113-00	METAL GLAZE	470K 5% 1/10W
L1502	1-408-409-00	INDUCTOR	10UH	R1562	1-216-097-00	METAL GLAZE	100K 5% 1/10W
L1503	1-408-409-00	INDUCTOR	10UH	R1570	1-216-095-00	METAL GLAZE	82K 5% 1/10W
L1504	1-408-409-00	INDUCTOR	10UH	R1571	1-216-073-00	METAL GLAZE	10K 5% 1/10W
				R1572	1-216-073-00	METAL GLAZE	10K 5% 1/10W
<TRANSISTOR>							
Q1501	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1573	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1502	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1574	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1503	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1575	1-216-089-91	METAL GLAZE	47K 5% 1/10W
Q1504	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1576	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q1590	8-729-216-22	TRANSISTOR	2SA1162-G	R1577	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
Q1591	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R1578	1-216-097-00	METAL GLAZE	100K 5% 1/10W
<RESISTOR>							
R1501	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R1579	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1502	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1590	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1503	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1591	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1504	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1592	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W
R1505	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1593	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W
R1506	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1594	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1507	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1595	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1508	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R1596	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1509	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1597	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1510	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1598	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
<CAPACITOR>							
C601	▲1-162-599-12	CERAMIC	0.0047MF 20% 400V	*A-1311-363-A	G1 BOARD, COMPLETE (PVM-2950Q)		
				*A-1311-365-A	G1 BOARD, COMPLETE (PVM-2950QM)		
<CONNECTOR>							
CN602	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P					
CN603	*1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P					
CN604	*1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P					
CN610	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P					
CN611	*1-537-711-11	TAB, FASTEN (PCB)					
<THERMISTOR>							
THP601	▲1-809-539-11	THERMISTOR, POSITIVE (PVM-2950Q)					
	▲1-809-827-11	THERMISTOR, POSITIVE (PVM-2950QM)					
*A-1316-181-A G BOARD, COMPLETE (PVM-2950Q)							

1-533-223-11 CLIP, FUSE							
4-382-854-11 SCREW (M3X10), P, SW (+)							
<CAPACITOR>							
C602	▲1-104-706-11	FILM	0.22MF 20% 250V				
C603	▲1-104-706-11	FILM	0.22MF 20% 250V				
C604	▲1-162-599-12	CERAMIC	0.0047MF 20% 400V				
C605	▲1-162-599-12	CERAMIC	0.0047MF 20% 400V				
C606	1-104-346-11	ELECT	1000MF 200V				
C610	1-136-067-00	FILM	0.0036MF 3% 2KV				
C611	1-106-357-00	MYLAR	0.0039MF 10% 100V				
C612	1-124-927-11	ELECT	4.7MF 20% 50V				
C613	1-126-948-11	ELECT	100MF 20% 35V				
C615	▲1-162-599-12	CERAMIC	0.0047MF 20% 400V				

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G (PVM-2950Q)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C616 Δ	1-162-599-12	CERAMIC	0.0047MF	20%	400V	FB621	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C617	1-102-116-00	CERAMIC	680PF	10%	50V	FB622	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C620	1-161-754-00	CERAMIC	0.001MF	10%	2KV	FB623	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C621	1-125-494-11	ELECT(BLOCK)	560MF	20%	160V			
C622	1-126-933-11	ELECT	100MF	20%	10V			
C625	1-162-318-11	CERAMIC	0.001MF	10%	500V			
C626	1-126-943-11	ELECT	2200MF	20%	25V	IC601	8-749-010-03	IC STR-M6515A
C627	1-162-318-11	CERAMIC	0.001MF	10%	500V	IC620	8-749-920-61	IC SE-135N
C628	1-126-943-11	ELECT	2200MF	20%	25V	IC641	8-759-701-56	IC NJM78M05FA
C629	1-162-318-11	CERAMIC	0.001MF	10%	500V			
C630	1-126-953-11	ELECT	2200MF	20%	35V			
C640	1-126-972-31	ELECT	1000MF	20%	50V	L620	1-406-663-21	COIL, CHOKE 47UH
C642	1-126-967-11	ELECT	47MF	20%	50V	L621	1-412-533-21	INDUCTOR 47UH
C643	1-126-964-11	ELECT	10MF	20%	50V	L622	1-412-533-21	INDUCTOR 47UH
C644	1-126-964-11	ELECT	10MF	20%	50V	L623	1-412-527-11	INDUCTOR 15UH
C645	1-126-933-11	ELECT	100MF	20%	10V	L624	1-412-527-11	INDUCTOR 15UH
C646	1-126-964-11	ELECT	10MF	20%	50V			
C647	1-126-933-11	ELECT	100MF	20%	16V			
C660 Δ	1-161-742-00	CERAMIC	0.0022MF	20%	400V			
C661 Δ	1-161-742-00	CERAMIC	0.0022MF	20%	400V			

<CONNECTOR>

CN601 *1-580-843-11 PIN, CONNECTOR (POWER)
CN605 *1-564-508-11 PLUG, CONNECTOR 5P
CN606 *1-573-986-11 PIN, CONNECTOR (PC BOARD) 5P
CN607 *1-564-507-11 PLUG, CONNECTOR 4P
CN609 *1-691-134-11 PIN, CONNECTOR (PC BOARD) 2P

<DIODE>

D601 8-719-022-99 DIODE D6SB60L
D604 8-719-979-58 DIODE EGP10D
D605 8-719-911-19 DIODE ISS119
D607 8-719-979-58 DIODE EGP10D
D620 8-719-029-04 DIODE D5L60

D621 8-719-920-67 DIODE ERC91-02
D622 8-719-045-48 DIODE FML-G12S
D623 8-719-920-67 DIODE ERC91-02
D625 8-719-911-19 DIODE ISS119
D640 8-719-511-40 DIODE S1VB40

D641 8-719-911-19 DIODE ISS119
D643 8-719-911-19 DIODE ISS119
D645 8-719-110-36 DIODE RD13ESB2
D646 8-719-911-19 DIODE ISS119
D647 8-719-109-89 DIODE RD5.6ESB2

D648 8-719-911-19 DIODE ISS119

<FUSE>

F601 Δ 1-532-748-11 FUSE, GLASS TUBE (6.3A/125V)

<FERRITE BEAD>

FB601 1-410-397-21 FERRITE BEAD INDUCTOR 1.1UH
FB602 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB603 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB604 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB605 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH

FB606 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB607 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB608 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB609 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH
FB620 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH

PH602 Δ 8-749-923-50 PHOTO COUPLER PC111YS

<IC LINK>

PS620A 1-532-686-21 LINK, IC 2.7A
PS622A Δ 1-532-686-21 LINK, IC 2.7A

<TRANSISTOR>

Q601 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q620 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q621 8-729-119-76 TRANSISTOR 2SA1175-HFE
Q641 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q642 8-729-119-78 TRANSISTOR 2SC2785-HFE

Q643 8-729-140-96 TRANSISTOR 2SD774-34
Q644 8-729-140-97 TRANSISTOR 2SB734-34
Q645 8-729-119-78 TRANSISTOR 2SC2785-HFE
Q646 8-729-119-78 TRANSISTOR 2SC2785-HFE

<RESISTOR>

R601 Δ 1-202-719-00	SOLID	1M	20%	1/2W
R602	1-202-981-11	WIREWOUND	0.82	5% 20W
R603	1-215-928-71	METAL OXIDE	68K	5% 3W F
R605	1-216-381-11	METAL OXIDE	0.22	5% 3W F
R606	1-216-381-11	METAL OXIDE	0.22	5% 3W F
R607	1-249-415-11	CARBON	680	5% 1/4W
R608	1-249-418-11	CARBON	1.2K	5% 1/4W
R610	1-249-424-11	CARBON	3.9K	5% 1/4W F
R611	1-249-424-11	CARBON	3.9K	5% 1/4W F
R613	1-249-417-11	CARBON	1K	5% 1/4W
R614	1-249-388-11	CARBON	3.9	5% 1/4W F
R615	1-249-417-11	CARBON	1K	5% 1/4W
R619	1-249-421-11	CARBON	2.2K	5% 1/4W
R620 Δ	1-218-265-11	METAL	8.2M	5% 1W
R627	1-249-377-11	CARBON	0.47	5% 1/4W F
R628	1-249-377-11	CARBON	0.47	5% 1/4W F
R629	1-249-377-11	CARBON	0.47	5% 1/4W F
R630	1-249-437-11	CARBON	47K	5% 1/4W
R631	1-215-472-00	METAL	130K	1% 1/4W
R632	1-216-386-11	METAL OXIDE	0.56	5% 3W F
R633	1-216-386-11	METAL OXIDE	0.56	5% 3W F
R634	1-215-445-00	METAL	10K	1% 1/4W
R636	1-216-482-11	METAL OXIDE	1.8K	5% 3W F
R637	1-216-357-00	METAL OXIDE	4.7	5% 1W F

G (PVM-2950Q)

G (PVM-2950QM)

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
R638	1-249-438-11	CARBON	56K 5% 1/4W		C626	1-104-868-11	ELECT	2200MF 20% 25V
R642	1-216-422-11	METAL OXIDE	18 5% 1W	F	C627	1-162-318-11	CERAMIC	0.001MF 10% 500V
R643	1-249-424-11	CARBON	3.9K 5% 1/4W		C628	1-104-868-11	ELECT	2200MF 20% 25V
R644	1-249-429-11	CARBON	10K 5% 1/4W		C629	1-162-318-11	CERAMIC	0.001MF 10% 500V
R645	1-249-433-11	CARBON	22K 5% 1/4W		C630	1-104-877-11	ELECT	2200MF 20% 35V
R646	1-249-424-11	CARBON	3.9K 5% 1/4W		C640	1-126-952-11	ELECT	1000MF 20% 35V
R647	1-249-429-11	CARBON	10K 5% 1/4W		C642	1-126-967-11	ELECT	47MF 20% 50V
R648	1-249-417-11	CARBON	1K 5% 1/4W		C643	1-126-964-11	ELECT	10MF 20% 50V
R649	1-247-895-00	CARBON	470K 5% 1/4W		C644	1-126-964-11	ELECT	10MF 20% 50V
R650	1-249-438-11	CARBON	56K 5% 1/4W		C645	1-126-933-11	ELECT	100MF 20% 10V
R651	1-249-431-11	CARBON	15K 5% 1/4W		C646	1-126-964-11	ELECT	10MF 20% 50V
R652	1-249-425-11	CARBON	4.7K 5% 1/4W		C647	1-126-933-11	ELECT	100MF 20% 16V
R653	1-249-437-11	CARBON	47K 5% 1/4W		C660	Δ 1-161-742-00	CERAMIC	0.0022MF 20% 400V
R654	1-249-429-11	CARBON	10K 5% 1/4W		C661	Δ 1-161-742-00	CERAMIC	0.0022MF 20% 400V
R655	1-249-424-11	CARBON	3.9K 5% 1/4W					
R656	1-249-431-11	CARBON	15K 5% 1/4W					
R660	Δ 1-247-903-00	CARBON	1M 5% 1/4W					

<CONNECTOR>

CN601	*1-580-843-11	PIN, CONNECTOR (POWER)
CN605	*1-564-508-11	PLUG, CONNECTOR 5P
CN606	*1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P
CN607	*1-564-507-11	PLUG, CONNECTOR 4P
CN609	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P

<TRANSFORMER>

T601	Δ 1-424-248-11	TRANSFORMER, LINE FILTER
T602	Δ 1-424-248-11	TRANSFORMER, LINE FILTER
T603	Δ 1-426-946-11	TRANSFORMER, POWER
T604	Δ 1-426-943-11	TRANSFORMER, CONVERTER (SRT)

<VARISTOR>

VDR601	Δ 1-809-786-11	VARISTOR
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*A-1316-182-A G BOARD, COMPLETE (PVM-2950QM)

1-533-223-11 CLIP, FUSE
4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C602	Δ 1-104-706-11	FILM	0.22MF 20% 250V
C603	Δ 1-104-706-11	FILM	0.22MF 20% 250V
C604	Δ 1-162-599-12	CERAMIC	0.0047MF 20% 400V
C605	Δ 1-162-599-12	CERAMIC	0.0047MF 20% 400V
C607	1-137-485-11	FILM	0.68MF 10% 630V
C608	1-137-485-11	FILM	0.68MF 10% 630V
C609	1-136-206-11	FILM	0.033MF 10% 630V
C610	1-136-539-11	FILM	0.0022MF 3% 2KV
C611	1-106-357-00	MYLAR	0.0039MF 10% 100V
C612	1-124-927-11	ELECT	4.7MF 20% 50V
C613	1-126-949-11	ELECT	220MF 20% 35V
C614	1-126-233-11	ELECT	22MF 20% 50V
C615	Δ 1-162-599-12	CERAMIC	0.0047MF 20% 400V
C616	Δ 1-162-599-12	CERAMIC	0.0047MF 20% 400V
C618	1-162-115-00	CERAMIC	330PF 10% 2KV
C620	1-161-754-00	CERAMIC	0.001MF 10% 2KV
C621	1-125-473-11	ELECT(BLOCK)	1000MF 20% 160V
C622	1-126-933-11	ELECT	100MF 20% 10V
C623	1-130-783-00	MYLAR	0.33MF 10% 100V
C624	1-107-637-11	ELECT	22MF 20% 160V
C625	1-162-318-11	CERAMIC	0.001MF 10% 500V

<DIODE>

D601	8-719-510-53	DIODE D4SB60L
D603	8-719-311-31	DIODE RU-1P
D604	8-719-979-58	DIODE EGP10D
D605	8-719-911-19	DIODE 1SS119
D607	8-719-979-58	DIODE EGP10D
D620	8-719-029-04	DIODE D5L60
D621	8-719-045-48	DIODE FML-G12S
D622	8-719-045-48	DIODE FML-G12S
D623	8-719-920-67	DIODE ERC91-02
D625	8-719-911-19	DIODE 1SS119
D640	8-719-511-40	DIODE S1VB40
D641	8-719-911-19	DIODE 1SS119
D643	8-719-911-19	DIODE 1SS119
D645	8-719-110-36	DIODE RD13ESB2
D646	8-719-911-19	DIODE 1SS119

<FUSE>

F601	Δ 1-576-232-21	FUSE (H.B.C.) (5.0A/250V)
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<FERRITE BEAD>

FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH
FB602	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB605	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB606	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB607	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB608	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB609	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB620	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB621	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB622	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
FB623	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH

<IC>

IC601	8-749-925-03	IC STR-M6524
IC620	8-749-010-02	IC STR-S3135

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G (PVM-2950QM)

C

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC641	8-759-701-56	IC NJM78M05FA		R643	1-249-424-11	CARBON	3.9K 5% 1/4W
		<COIL>		R644	1-249-429-11	CARBON	10K 5% 1/4W
L601	1-459-946-11	COIL, NOISE FILTER		R645	1-249-433-11	CARBON	22K 5% 1/4W
L620	1-406-663-21	COIL, CHOKE	47UH	R646	1-249-424-11	CARBON	3.9K 5% 1/4W
L621	1-412-533-21	INDUCTOR	47UH	R647	1-249-429-11	CARBON	10K 5% 1/4W
L622	1-412-533-21	INDUCTOR	47UH	R648	1-249-417-11	CARBON	1K 5% 1/4W
L623	1-412-527-11	INDUCTOR	15UH	R649	1-247-895-00	CARBON	470K 5% 1/4W
L624	1-412-527-11	INDUCTOR	15UH	R650	1-259-881-11	CARBON	2.7M 5% 1/4W
		<PHOTO COUPLER>		R660	1-247-903-00	CARBON	1M 5% 1/4W
PH602	△8-749-923-50	PHOTO COUPLER	PC111YS	R661	1-216-492-11	METAL OXIDE	82K 5% 3W F
		<IC LINK>				<RELAY>	
PS620	△1-532-686-21	LINK, IC	2.7A	RY601	△1-515-738-11	RELAY	
PS622	△1-532-686-21	LINK, IC	2.7A	RY602	△1-515-738-11	RELAY	
		<TRANSISTOR>				<TRANSFORMER>	
Q601	8-729-119-76	TRANSISTOR	2SA1175-HFE	T601	△1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
Q602	8-729-119-78	TRANSISTOR	2SC2785-HFE	T602	△1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
Q620	8-729-119-78	TRANSISTOR	2SC2785-HFE	T603	△1-426-945-11	TRANSFORMER, POWER	
Q621	8-729-119-76	TRANSISTOR	2SA1175-HFE	T604	△1-426-947-11	TRANSFORMER, CONVERTER (SRT)	
Q641	8-729-119-78	TRANSISTOR	2SC2785-HFE			<VARISTOR>	
Q642	8-729-119-78	TRANSISTOR	2SC2785-HFE	VDR601	△1-810-271-21	VARISTOR ZNR-14DK471U	
Q643	8-729-140-96	TRANSISTOR	2SD774-34			*****	
		<RESISTOR>				*A-1331-344-A C BOARD, COMPLETE	*****
R601	△1-202-719-00	SOLID STATE	1M 20% 1/2W			4-382-854-11 SCREW (M3X10), P, SW (+)	
R602	1-215-929-11	METAL OXIDE	100K 5% 3W F				
R603	1-216-492-11	METAL OXIDE	82K 5% 3W F				
R604	1-215-929-11	METAL OXIDE	100K 5% 3W F				
R605	1-216-382-11	METAL OXIDE	0.27 5% 3W F				
R606	1-216-383-11	METAL OXIDE	0.33 5% 3W F				
R607	1-249-415-11	CARBON	680 5% 1/4W				
R608	1-249-418-11	CARBON	1.2K 5% 1/4W				
R609	1-249-437-11	CARBON	47K 5% 1/4W F				
R610	1-249-425-11	CARBON	4.7K 5% 1/4W F				
R611	1-249-425-11	CARBON	4.7K 5% 1/4W F				
R613	1-249-417-11	CARBON	1K 5% 1/4W				
R614	1-249-385-11	CARBON	2.2 5% 1/4W F				
R615	1-249-417-11	CARBON	1K 5% 1/4W				
R616	1-249-417-11	CARBON	1K 5% 1/4W				
R617	1-247-811-31	CARBON	150 5% 1/4W				
R618	1-249-419-11	CARBON	1.5K 5% 1/4W				
R619	1-249-421-11	CARBON	2.2K 5% 1/4W				
R627	1-249-377-11	CARBON	0.47 5% 1/4W F				
R628	1-249-377-11	CARBON	0.47 5% 1/4W F				
R629	1-249-377-11	CARBON	0.47 5% 1/4W F				
R630	1-249-437-11	CARBON	47K 5% 1/4W				
R631	1-215-472-00	METAL	130K 1% 1/4W				
R632	1-216-386-11	METAL OXIDE	0.56 5% 3W F				
R633	1-216-386-11	METAL OXIDE	0.56 5% 3W F				
R634	1-215-445-00	METAL	10K 1% 1/4W				
R636	1-216-482-11	METAL OXIDE	1.8K 5% 3W F				
R637	1-216-357-00	METAL OXIDE	4.7 5% 1W F				
R638	1-249-433-11	CARBON	22K 5% 1/4W				
R639	1-259-884-11	CARBON	4.7M 5% 1/4W				
R642	1-216-422-11	METAL OXIDE	18 5% 1W F				
				CN702	*1-564-512-11	PLUG, CONNECTOR 9P	
				CN703	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
						<DIODE>	
				D704	8-719-911-19	DIODE 1SS119	

C V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
D705	8-719-911-19	DIODE 1SS119		R739	1-202-813-00	SOLID	22K 20% 1/2W
D706	8-719-911-19	DIODE 1SS119		R741	1-202-842-11	SOLID	220K 20% 1/2W
D761	8-719-911-19	DIODE 1SS119		R747	1-202-883-11	SOLID	680K 20% 1/2W
D762	8-719-911-19	DIODE 1SS119		R748	1-202-838-00	SOLID	100K 20% 1/2W
D763	8-719-911-19	DIODE 1SS119		R751	1-216-483-11	METAL OXIDE	2.7K 5% 3W F
D771	8-719-109-84	DIODE RD5.1ESB1		R754	1-216-483-11	METAL OXIDE	2.7K 5% 3W F
D772	8-719-911-19	DIODE 1SS119		R757	1-216-483-11	METAL OXIDE	2.7K 5% 3W F
D781	8-719-901-83	DIODE 1SS83		R760	1-249-434-11	CARBON	27K 5% 1/4W
D782	8-719-901-83	DIODE 1SS83		R761	1-260-328-11	CARBON	1K 5% 1/2W
D783	8-719-901-83	DIODE 1SS83		R762	1-260-328-11	CARBON	1K 5% 1/2W
D784	8-719-901-83	DIODE 1SS83		R763	1-260-328-11	CARBON	1K 5% 1/2W
			<IC>	R771	1-249-425-11	CARBON	4.7K 5% 1/4W
IC701	8-759-140-53	IC UPD4053BC		R772	1-249-429-11	CARBON	10K 5% 1/4W
			<JACK>	R773	1-215-904-11	METAL OXIDE	100K 5% 2W F
J701	Δ 1-540-223-11	SOCKET PICTURE TUBE		R774	1-247-895-00	CARBON	470K 5% 1/4W
			<COIL>	R775	1-249-425-11	CARBON	4.7K 5% 1/4W
L707	1-410-671-31	INDUCTOR	47UH	R776	1-249-425-11	CARBON	4.7K 5% 1/4W
			<TRANSISTOR>	R777	1-247-887-00	CARBON	220K 5% 1/4W
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE		R781	1-260-352-11	CARBON	100K 5% 1/2W
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE		R782	1-260-352-11	CARBON	100K 5% 1/2W
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE		R783	1-260-352-11	CARBON	100K 5% 1/2W
Q704	8-729-326-11	TRANSISTOR 2SC2611		R784	1-215-904-11	METAL OXIDE	100K 5% 2W F
Q705	8-729-326-11	TRANSISTOR 2SC2611		R790	1-249-427-11	CARBON	6.8K 5% 1/4W
Q706	8-729-326-11	TRANSISTOR 2SC2611		R791	1-247-807-31	CARBON	100 5% 1/4W
Q761	8-729-200-17	TRANSISTOR 2SA1091-0		R792	1-249-438-11	CARBON	56K 5% 1/4W
Q762	8-729-200-17	TRANSISTOR 2SA1091-0		R793	1-249-432-11	CARBON	18K 5% 1/4W
Q763	8-729-200-17	TRANSISTOR 2SA1091-0		R794	1-249-438-11	CARBON	56K 5% 1/4W
Q771	8-729-255-12	TRANSISTOR 2SC2551-0		R795	1-249-419-11	CARBON	1.5K 5% 1/4W
Q772	8-729-119-78	TRANSISTOR 2SC2785-HFE		R796	1-247-807-31	CARBON	100 5% 1/4W
Q773	8-729-119-76	TRANSISTOR 2SA1175-HFE					<VARIABLE RESISTOR>
Q781	8-729-200-17	TRANSISTOR 2SA1091-0		RV707	1-241-714-11	RES, ADJ, METAL FILM 110M	
Q782	8-729-200-17	TRANSISTOR 2SA1091-0		RV710	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M	
Q783	8-729-200-17	TRANSISTOR 2SA1091-0					<TAB>
Q784	8-729-255-12	TRANSISTOR 2SC2551-0		TB704	1-695-915-11	TAB (CONTACT)	
Q790	8-729-119-76	TRANSISTOR 2SA1175-HFE					*****
			<RESISTOR>				*A-1342-246-A V BOARD, COMPLETE
R701	1-249-406-11	CARBON	120 5% 1/4W				*****
R702	1-249-406-11	CARBON	120 5% 1/4W				4-382-854-11 SCREW (M3X10), P, SW (+)
R703	1-249-406-11	CARBON	120 5% 1/4W				
R704	1-249-393-11	CARBON	10 5% 1/4W				
R705	1-249-393-11	CARBON	10 5% 1/4W				
R706	1-249-393-11	CARBON	10 5% 1/4W				
R707	1-249-415-11	CARBON	680 5% 1/4W				
R713	1-249-415-11	CARBON	680 5% 1/4W				
R714	1-249-415-11	CARBON	680 5% 1/4W				
R719	1-216-483-11	METAL OXIDE	2.7K 5% 3W F				
R722	1-216-483-11	METAL OXIDE	2.7K 5% 3W F				
R725	1-216-483-11	METAL OXIDE	2.7K 5% 3W F				
R727	1-202-818-00	SOLID	1K 20% 1/2W				
R728	1-202-818-00	SOLID	1K 20% 1/2W				
R729	1-202-818-00	SOLID	1K 20% 1/2W				
R730	1-202-549-00	SOLID	100 10% 1/2W				
R735	1-216-367-11	METAL OXIDE	0.68 5% 2W F				
			<CAPACITOR>				
C951	1-102-074-00	CERAMIC	0.001MF 10% 50V				
C952	1-102-125-00	CERAMIC	0.0047MF 10% 50V				
C961	1-161-830-00	CERAMIC	0.0047MF 500V				
C962	1-102-951-00	CERAMIC	15PF 5% 50V				
C963	1-107-638-11	ELECT	33MF 20% 160V				
C964	1-126-933-11	ELECT	100MF 20% 16V				
C968	1-106-383-00	MYLAR	0.047MF 200V				
C969	1-124-668-11	ELECT	2.2MF 20% 160V				
C970	1-106-391-12	MYLAR	0.1MF 10% 200V				
C971	1-126-157-11	ELECT	10MF 20% 16V				
C972	1-107-883-11	ELECT	330MF 20% 16V				
C973	1-106-383-00	MYLAR	0.047MF 200V				
C974	1-102-959-00	CERAMIC	22PF 5% 50V				
C975	1-126-933-11	ELECT	100MF 20% 16V				
C976	1-126-157-11	ELECT	10MF 20% 16V				
C977	1-102-963-00	CERAMIC	33PF 5% 50V				

V VC

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK						
C978	1-130-471-00	MYLAR	0.001MF	5%	50V	R989	1-249-413-11	CARBON	470	5%	1/4W		
C979	1-130-471-00	MYLAR	0.001MF	5%	50V	R990	1-216-475-11	METAL OXIDE	120	5%	3W		
C980	1-126-964-11	ELECT	10MF	20%	50V	R991	1-249-409-11	CARBON	220	5%	1/4W		

<CONNECTOR>													
CN901 *1-564-512-11 PLUG, CONNECTOR 9P													
<DIODE>													
D961	8-719-911-19	DIODE	ISS119	C1801	1-124-126-00	ELECT	47MF						
D963	8-719-911-19	DIODE	ISS119	C1803	1-124-126-00	ELECT	47MF						
D964	8-719-911-19	DIODE	ISS119	C1804	1-124-126-00	ELECT	47MF						
D965	8-719-911-19	DIODE	ISS119	C1805	1-136-157-00	FILM	0.022MF						
D966	8-719-911-19	DIODE	ISS119	C1808	1-130-471-00	MYLAR	0.001MF						
D967	8-719-110-88	DIODE	RD39ESB2	C1809	1-130-471-00	MYLAR	0.001MF						
D968	8-719-110-88	DIODE	RD39ESB2	C1810	1-136-171-00	FILM	0.33MF						
<COIL>													
L962	1-408-416-00	INDUCTOR	39UH	C1811	1-136-171-00	FILM	0.33MF						
<TRANSISTOR>													
Q961	8-729-119-78	TRANSISTOR	2SC2785-HFE	C1812	1-126-320-11	ELECT	10MF						
Q962	8-729-119-76	TRANSISTOR	2SA1175-HFE	C1817	1-104-665-11	ELECT	100MF						
Q963	8-729-809-26	TRANSISTOR	2SA1606-E	C1820	1-107-710-11	ELECT	100MF						
Q964	8-729-119-78	TRANSISTOR	2SC2785-HFE	C1850	1-136-153-00	FILM	0.01MF						
Q965	8-729-809-29	TRANSISTOR	2SC4159-E	<CONNECTOR>									
Q966	8-729-119-78	TRANSISTOR	2SC2785-HFE	CN801	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P							
Q967	8-729-142-86	TRANSISTOR	2SC3733	CN1850	1-564-517-11	PLUG, CONNECTOR 2P							
Q968	8-729-119-78	TRANSISTOR	2SC2785-HFE	<DIODE>									
<RESISTOR>													
R951	1-249-434-11	CARBON	27K	5%	1/4W	D1801	8-719-109-93	DIODE	RD6.2ESB2				
R952	1-249-423-11	CARBON	3.3K	5%	1/4W	D1802	8-719-109-93	DIODE	RD6.2ESB2				
R953	1-249-423-11	CARBON	3.3K	5%	1/4W	D1806	8-719-911-19	DIODE	ISS119				
R954	1-247-903-00	CARBON	1M	5%	1/4W	D1817	8-719-987-87	DIODE	ERA85-009				
R955	1-249-421-11	CARBON	2.2K	5%	1/4W	D1818	8-719-987-87	DIODE	ERA85-009				
R962	1-249-409-11	CARBON	220	5%	1/4W	D1822	8-719-109-93	DIODE	RD6.2ESB2				
R963	1-249-419-11	CARBON	1.5K	5%	1/4W	D1823	8-719-109-93	DIODE	RD6.2ESB2				
R964	1-260-311-11	CARBON	39	5%	1/2W	D1824	8-719-987-87	DIODE	ERA85-009				
R965	1-249-414-11	CARBON	560	5%	1/4W	D1850	8-719-911-19	DIODE	ISS119				
R966	1-249-418-11	CARBON	1.2K	5%	1/4W	<IC>							
R968	1-249-418-11	CARBON	1.2K	5%	1/4W	IC1801	8-759-231-53	IC	TA7805S				
R969	1-249-384-11	CARBON	1.8	5%	1/4W	IC1802	8-759-135-80	IC	UPC358C				
R970	1-249-435-11	CARBON	33K	5%	1/4W	IC1803	8-759-902-21	IC	SN74LS221N				
R972	1-249-432-11	CARBON	18K	5%	1/4W	IC1850	8-759-603-37	IC	M5216P				
R974	1-216-476-11	METAL OXIDE	180	5%	3W	<TRANSISTOR>							
R975	1-249-417-11	CARBON	1K	5%	1/4W	Q1801	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R976	1-249-432-11	CARBON	18K	5%	1/4W	Q1802	8-729-119-76	TRANSISTOR	2SA1175-HFE				
R977	1-249-438-11	CARBON	56K	5%	1/4W	Q1803	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R978	1-249-430-11	CARBON	12K	5%	1/4W	Q1804	8-729-119-76	TRANSISTOR	2SA1175-HFE				
R979	1-249-414-11	CARBON	560	5%	1/4W	Q1805	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R980	1-249-420-11	CARBON	1.8K	5%	1/4W	Q1806	8-729-385-82	TRANSISTOR	2SB858-C				
R981	1-249-415-11	CARBON	680	5%	1/4W	Q1807	8-729-809-26	TRANSISTOR	2SA1606-E				
R982	1-249-384-11	CARBON	1.8	5%	1/4W	Q1808	8-729-809-29	TRANSISTOR	2SC4159-E				
R983	1-249-441-11	CARBON	100K	5%	1/4W	Q1809	8-729-119-76	TRANSISTOR	2SA1175-HFE				
R984	1-247-807-31	CARBON	100	5%	1/4W	Q1810	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R985	1-249-400-11	CARBON	39	5%	1/4W	Q1811	8-729-208-71	TRANSISTOR	2SC3298B-0				
R986	1-249-435-11	CARBON	33K	5%	1/4W	Q1850	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R987	1-249-428-11	CARBON	8.2K	5%	1/4W	Q1851	8-729-119-78	TRANSISTOR	2SC2785-HFE				
R988	1-249-415-11	CARBON	680	5%	1/4W								

VC **H3**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
<RESISTOR>								
R1801	1-215-866-11	METAL OXIDE	330 5%	1W	F	D874	8-719-404-46	DIODE MA110
R1802	1-247-887-00	CARBON	220K 5%	1/4W		D875	8-719-404-46	DIODE MA110
R1803	1-215-467-00	METAL	82K 1%	1/4W		D876	8-719-404-46	DIODE MA110
R1806	1-217-477-00	FUSIBLE	4.7 5%	1W	F	<IC>		
R1808	1-247-887-00	CARBON	220K 5%	1/4W		IC871	8-759-165-26	IC SC40213OB
R1811	1-249-429-11	CARBON	10K 5%	1/4W		<COIL>		
R1812	1-249-417-11	CARBON	1K 5%	1/4W		L871	1-408-421-00	INDUCTOR 100UH
R1813	1-215-473-00	METAL	150K 1%	1/4W		L872	1-408-429-00	INDUCTOR 470UH
R1814	1-249-429-11	CARBON	10K 5%	1/4W		<TRANSISTOR>		
R1818	1-213-070-00	FUSIBLE	27 5%	1W	F	Q871	8-729-901-01	TRANSISTOR DTC144EK
R1819	1-215-913-11	METAL OXIDE	220 5%	3W	F	Q872	8-729-901-98	TRANSISTOR 2SA1036K-R
R1820	1-216-451-11	METAL OXIDE	120 5%	2W	F	Q873	8-729-901-98	TRANSISTOR 2SA1036K-R
R1822	1-249-409-11	CARBON	220 5%	1/4W	F	Q874	8-729-901-01	TRANSISTOR DTC144EK
R1823	1-249-401-11	CARBON	47 5%	1/4W	F	Q875	8-729-901-01	TRANSISTOR DTC144EK
R1825	1-215-455-00	METAL	27K 1%	1/4W		Q876	8-729-901-01	TRANSISTOR DTC144EK
R1828	1-215-866-11	METAL OXIDE	330 5%	1W	F	Q877	8-729-901-01	TRANSISTOR DTC144EK
R1829	1-213-070-00	FUSIBLE	27 5%	1W	F	Q878	8-729-901-04	TRANSISTOR DTA114EK
R1830	1-217-477-00	FUSIBLE	4.7 5%	1W	F	<RESISTOR>		
R1831	1-216-429-00	METAL OXIDE	270 5%	1W	F	JR871	1-216-295-91	METAL GLAZE 0 5% 1/10W
R1846	1-249-429-11	CARBON	10K 5%	1/4W		JR872	1-216-295-91	METAL GLAZE 0 5% 1/10W
R1850	1-249-417-11	CARBON	1K 5%	1/4W		JR873	1-216-295-91	METAL GLAZE 0 5% 1/10W
R1851	1-215-451-00	METAL	18K 1%	1/4W		JR874	1-216-296-91	METAL GLAZE 0 5% 1/8W
R1852	1-215-455-00	METAL	27K 1%	1/4W		JR875	1-216-295-91	METAL GLAZE 0 5% 1/10W
R1853	1-215-452-00	METAL	20K 1%	1/4W		R871	1-216-294-00	METAL GLAZE 10M 5% 1/8W
R1854	1-215-447-00	METAL	12K 1%	1/4W		R872	1-216-089-91	METAL GLAZE 47K 5% 1/10W
R1855	1-215-445-00	METAL	10K 1%	1/4W		R873	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W
R1856	1-215-427-00	METAL	1.8K 1%	1/4W		R874	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R1857	1-249-422-11	CARBON	2.7K 5%	1/4W		R875	1-216-073-00	METAL GLAZE 10K 5% 1/10W
R1858	1-249-429-11	CARBON	10K 5%	1/4W		R876	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W
R1859	1-249-422-11	CARBON	2.7K 5%	1/4W		R877	1-216-097-00	METAL GLAZE 100K 5% 1/10W
R1860	1-249-429-11	CARBON	10K 5%	1/4W		R878	1-216-009-00	METAL GLAZE 22 5% 1/10W
<VARIABLE RESISTOR>								
RV1801	1-241-766-11	RES, ADJ, CERMET	47K			R879	1-216-005-00	METAL GLAZE 15 5% 1/10W

*A-1372-005-A H3 BOARD, COMPLETE								

<CAPACITOR>								
C871	1-126-924-11	ELECT	330MF	20%	10V	R881	1-216-009-00	METAL GLAZE 22 5% 1/10W
C872	1-163-035-00	CERAMIC CHIP	0.047MF		50V	R882	1-216-009-00	METAL GLAZE 22 5% 1/10W
C873	1-126-952-11	ELECT	1000MF	20%	16V	R883	1-216-009-00	METAL GLAZE 22 5% 1/10W
C874	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	R884	1-216-089-91	METAL GLAZE 47K 5% 1/10W
C875	1-163-037-11	CERAMIC CHIP	0.022MF	10%	25V	R885	1-216-073-00	METAL GLAZE 10K 5% 1/10W
<CONNECTOR>								
CN871	*1-564-506-11	PLUG, CONNECTOR	3P			R886	1-216-073-00	METAL GLAZE 10K 5% 1/10W
CN872	1-564-511-11	PLUG, CONNECTOR	8P			R887	1-216-089-91	METAL GLAZE 47K 5% 1/10W
CN873	*1-564-513-11	PLUG, CONNECTOR	10P			R888	1-216-073-00	METAL GLAZE 10K 5% 1/10W
CN874	*1-564-509-11	PLUG, CONNECTOR	6P			<CRYSTAL>		
CN875	1-564-505-11	PLUG, CONNECTOR	2P			X871	1-577-082-11	VIBRATOR, CERAMIC
CN877	*1-573-299-11	CONNECTOR, BOARD TO BOARD	10P			*****		
<DIODE>								
D871	8-719-404-46	DIODE	MA110					
D872	8-719-404-46	DIODE	MA110					
D873	8-719-404-46	DIODE	MA110					

UA **UJ**

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
J103	1-573-969-11	JACK BLOCK, PIN					
J104	1-573-969-11	JACK BLOCK, PIN					
J105	1-573-969-11	JACK BLOCK, PIN					
J106	1-537-764-11	TERMINAL BOARD ASSY, I/O					
J108	1-537-764-11	TERMINAL BOARD ASSY, I/O					
J110	1-537-765-11	TERMINAL BOARD ASSY, I/O					
<TRANSISTOR>							
Q101	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C201	1-163-031-11	CERAMIC CHIP 0.01MF	50V
Q102	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C202	1-163-031-11	CERAMIC CHIP 0.01MF	50V
Q103	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C203	1-163-031-11	CERAMIC CHIP 0.01MF	50V
Q104	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C204	1-163-031-11	CERAMIC CHIP 0.01MF	50V
Q105	8-729-120-28	TRANSISTOR 2SC1623-L5L6		C205	1-163-031-11	CERAMIC CHIP 0.01MF	50V
<RESISTOR>							
R101	1-215-394-00	METAL GLAZE 75 1% 1/4W		C206	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R102	1-215-394-00	METAL GLAZE 75 1% 1/4W		C207	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R103	1-215-394-00	METAL GLAZE 75 1% 1/4W		C208	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R104	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C209	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R105	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C210	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R106	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C211	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R107	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C212	1-163-031-11	CERAMIC CHIP 0.01MF	50V
R108	1-215-394-00	METAL GLAZE 75 1% 1/4W		C213	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R109	1-215-394-00	METAL GLAZE 75 1% 1/4W		C214	1-137-368-11	FILM 0.0047MF	5% 50V
R110	1-215-394-00	METAL GLAZE 75 1% 1/4W		C215	1-136-165-00	FILM 0.1MF	5% 50V
R111	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C216	1-137-368-11	FILM 0.0047MF	5% 50V
R112	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C217	1-136-165-00	FILM 0.1MF	5% 50V
R113	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C218	1-137-374-11	FILM 0.047MF	5% 50V
R114	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C219	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R115	1-216-073-00	METAL GLAZE 10K 5% 1/10W		C220	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R116	1-216-079-00	METAL GLAZE 18K 5% 1/10W		C221	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
R117	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C223	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R118	1-215-394-00	METAL GLAZE 75 1% 1/4W		C224	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R119	1-215-394-00	METAL GLAZE 75 1% 1/4W		C225	1-163-035-00	CERAMIC CHIP 0.047MF	50V
R120	1-216-073-00	METAL GLAZE 10K 5% 1/10W		C226	1-163-241-11	CERAMIC CHIP 39PF	5% 50V
R121	1-216-079-00	METAL GLAZE 18K 5% 1/10W		C227	1-126-940-11	ELECT 330MF	20% 16V
R122	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C228	1-124-126-00	ELECT 47MF	20% 16V
R123	1-215-394-00	METAL GLAZE 75 1% 1/4W		C229	1-126-964-11	ELECT 10MF	20% 50V
R124	1-216-073-00	METAL GLAZE 10K 5% 1/10W		C230	1-126-964-11	ELECT 10MF	20% 50V
R125	1-216-079-00	METAL GLAZE 18K 5% 1/10W		C231	1-126-964-11	ELECT 10MF	20% 50V
R126	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C232	1-126-934-11	ELECT 220MF	20% 16V
R127	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C233	1-126-964-11	ELECT 10MF	20% 50V
R128	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C234	1-126-964-11	ELECT 10MF	20% 50V
R129	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C235	1-124-126-00	ELECT 47MF	20% 16V
R130	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W		C236	1-124-903-11	ELECT 1MF	20% 50V
R131	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C237	1-124-903-11	ELECT 1MF	20% 50V
R132	1-216-689-11	METAL GLAZE 39K 5% 1/10W		C238	1-126-933-11	ELECT 100MF	20% 16V
R133	1-215-394-00	METAL GLAZE 75 1% 1/4W		C239	1-124-126-00	ELECT 47MF	20% 16V
R134	1-216-099-00	METAL GLAZE 120K 5% 1/10W		C240	1-124-126-00	ELECT 47MF	20% 16V
R135	1-216-689-11	METAL GLAZE 39K 5% 1/10W		C242	1-126-964-11	ELECT 10MF	20% 50V
R136	1-215-394-00	METAL GLAZE 75 1% 1/4W		C243	1-126-935-11	ELECT 470MF	20% 6.3V
R137	1-216-013-00	METAL GLAZE 33 5% 1/10W		C244	1-126-964-11	ELECT 10MF	20% 50V
R138	1-216-013-00	METAL GLAZE 33 5% 1/10W		C245	1-126-923-11	ELECT 220MF	20% 10V
R139	1-216-013-00	METAL GLAZE 33 5% 1/10W		C246	1-124-126-00	ELECT 47MF	20% 16V
R140	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C247	1-126-964-11	ELECT 10MF	20% 50V
R141	1-216-039-00	METAL GLAZE 390 5% 1/10W		C248	1-124-903-11	ELECT 1MF	20% 50V
R142	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W		C249	1-126-964-11	ELECT 10MF	20% 50V
R143	1-216-039-00	METAL GLAZE 390 5% 1/10W		C250	1-126-964-11	ELECT 10MF	20% 50V

C251	1-126-964-11	ELECT 10MF	20% 50V	C252	1-163-035-00	CERAMIC CHIP 0.047MF	50V
C253	1-124-126-00	ELECT 47MF	20% 16V	C254	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C255	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C256	1-136-171-00	FILM 0.33MF	5% 50V
C257	1-124-925-11	ELECT 2.2MF	20% 50V	C258	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C259	1-137-364-11	FILM 0.001MF	5% 50V	C259	1-137-364-11	FILM 0.001MF	5% 50V
C260	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C260	1-163-121-00	CERAMIC CHIP 150PF	5% 50V

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C261	1-163-035-00	CERAMIC CHIP 0.047MF		50V	Q204	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C262	1-124-126-00	ELECT 47MF	20%	16V	Q205	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C263	1-163-243-11	CERAMIC CHIP 47PF	5%	50V			
C270	1-124-903-11	ELECT 1MF	20%	50V	Q206	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C271	1-124-927-11	ELECT 4.7MF	20%	50V	Q207	8-729-216-22	TRANSISTOR 2SA1162-G
C272	1-124-903-11	ELECT 1MF	20%	50V	Q208	8-729-216-22	TRANSISTOR 2SA1162-G
C273	1-124-126-00	ELECT 47MF	20%	16V	Q211	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C274	1-163-035-00	CERAMIC CHIP 0.047MF		50V	Q212	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C275	1-124-126-00	ELECT 47MF	20%	16V	Q213	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C276	1-136-167-00	FILM 0.15MF	5%	50V	Q214	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C277	1-136-157-00	FILM 0.022MF	5%	50V	Q215	8-729-216-22	TRANSISTOR 2SA1162-G
C278	1-124-925-11	ELECT 2.2MF	20%	50V	Q216	8-729-901-01	TRANSISTOR DTC144EK
C279	1-163-249-11	CERAMIC CHIP 82PF	5%	50V	Q217	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C280	1-137-364-11	FILM 0.001MF	5%	50V	Q218	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C281	1-163-251-11	CERAMIC CHIP 100PF	5%	50V	Q219	8-729-216-22	TRANSISTOR 2SA1162-G
C282	1-124-126-00	ELECT 47MF	20%	16V	Q220	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C283	1-163-035-00	CERAMIC CHIP 0.047MF		50V	Q221	8-729-120-28	TRANSISTOR 2SC1623-L5L6
C290	1-124-927-11	ELECT 4.7MF	20%	50V	Q222	8-729-901-01	TRANSISTOR DTC144EK
<CONNECTOR>							
CN201	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)			Q223	8-729-120-28	TRANSISTOR 2SC1623-L5L6
CN202	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)			Q224	8-729-216-22	TRANSISTOR 2SA1162-G
CN203	*1-564-506-11	PLUG, CONNECTOR 3P			Q225	8-729-216-22	TRANSISTOR 2SA1162-G
CN204	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P			Q226	8-729-120-28	TRANSISTOR 2SC1623-L5L6
CN205	1-573-300-11	CONNECTOR, BOARD TO BOARD 18P			Q227	8-729-120-28	TRANSISTOR 2SC1623-L5L6
CN206	1-564-505-11	PLUG, CONNECTOR 2P			Q228	8-729-120-28	TRANSISTOR 2SC1623-L5L6
<DIODE>							
D202	8-719-911-19	DIODE 1SS119			JR1	1-216-295-91	METAL GLAZE 0 5% 1/10W
D203	8-719-911-19	DIODE 1SS119			JR2	1-216-295-91	METAL GLAZE 0 5% 1/10W
D205	8-719-911-19	DIODE 1SS119			JR4	1-216-295-91	METAL GLAZE 0 5% 1/10W
D206	8-719-109-68	DIODE RD3.6ESB1			R201	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
<FILTER>							
FL201	1-239-550-11	FILTER, LOW PASS			R202	1-216-025-00	METAL GLAZE 100 5% 1/10W
FL202	1-239-550-11	FILTER, LOW PASS			R203	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
FL203	1-239-550-11	FILTER, LOW PASS			R204	1-216-025-00	METAL GLAZE 100 5% 1/10W
<IC>							
IC201	8-752-067-28	IC CXA1545AS			R205	1-216-033-00	METAL GLAZE 220 5% 1/10W
IC202	8-741-765-01	IC SBX1765-01			R206	1-216-033-00	METAL GLAZE 220 5% 1/10W
IC203	8-759-800-81	IC LA7016			R207	1-216-049-00	METAL GLAZE 1K 5% 1/10W
IC204	8-759-245-75	IC TA8184P			R208	1-216-033-00	METAL GLAZE 220 5% 1/10W
IC205	8-752-058-68	IC CXA1315M			R209	1-216-033-00	METAL GLAZE 220 5% 1/10W
IC206	8-759-009-82	IC MC14011BF-T2			R210	1-216-033-00	METAL GLAZE 220 5% 1/10W
IC207	8-759-800-81	IC LA7016			R211	1-216-081-00	METAL GLAZE 22K 5% 1/10W
IC208	8-759-009-82	IC MC14011BF-T2			R212	1-216-081-00	METAL GLAZE 22K 5% 1/10W
<COIL>							
L201	1-408-421-00	INDUCTOR 100UH			R213	1-216-081-00	METAL GLAZE 22K 5% 1/10W
L202	1-408-421-00	INDUCTOR 100UH			R214	1-216-081-00	METAL GLAZE 22K 5% 1/10W
L203	1-408-421-00	INDUCTOR 100UH			R215	1-216-089-91	METAL GLAZE 47K 5% 1/10W
L204	1-408-414-00	INDUCTOR 27UH			R217	1-216-081-00	METAL GLAZE 22K 5% 1/10W
L205	1-408-414-00	INDUCTOR 27UH			R218	1-216-089-91	METAL GLAZE 47K 5% 1/10W
<TRANSISTOR>							
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6			R219	1-216-049-00	METAL GLAZE 1K 5% 1/10W
Q202	8-729-120-28	TRANSISTOR 2SC1623-L5L6			R220	1-216-049-00	METAL GLAZE 1K 5% 1/10W
Q203	8-729-120-28	TRANSISTOR 2SC1623-L5L6			R221	1-216-081-00	METAL GLAZE 22K 5% 1/10W
					R222	1-216-049-00	METAL GLAZE 1K 5% 1/10W
					R223	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W
					R224	1-216-033-00	METAL GLAZE 220 5% 1/10W
					R225	1-216-033-00	METAL GLAZE 220 5% 1/10W
					R226	1-216-049-00	METAL GLAZE 1K 5% 1/10W
					R227	1-216-035-00	METAL GLAZE 270 5% 1/10W
					R228	1-216-049-00	METAL GLAZE 1K 5% 1/10W
					R229	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W
					R230	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W
					R232	1-216-295-91	METAL GLAZE 0 5% 1/10W
					R233	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W

UT H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R234	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1209	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R235	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1210	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R236	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1211	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R237	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1212	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R238	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1213	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R239	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1214	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R240	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1215	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R241	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1216	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R242	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1217	1-216-033-00	METAL GLAZE	220 5% 1/10W
R243	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R1218	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R248	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1219	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R249	1-216-043-00	METAL GLAZE	560 5% 1/10W	R1220	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R250	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1221	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R251	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1222	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R252	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1223	1-216-075-00	METAL GLAZE	12K 5% 1/10W
R253	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W				<VARIABLE RESISTOR>
R254	1-216-045-00	METAL GLAZE	680 5% 1/10W	RV201	1-241-761-11	RES, ADJ, CARBON 1K	
R255	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	RV202	1-241-763-11	RES, ADJ, CARBON 4.7K	
R256	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W				*****
R257	1-216-081-00	METAL GLAZE	22K 5% 1/10W				H BOARD, COMPLETE
R258	1-216-077-00	METAL GLAZE	15K 5% 1/10W				*****
R259	1-216-025-00	METAL GLAZE	100 5% 1/10W				
R260	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
R261	1-216-025-00	METAL GLAZE	100 5% 1/10W				
R262	1-216-035-00	METAL GLAZE	270 5% 1/10W				
R263	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				
R264	1-216-043-00	METAL GLAZE	560 5% 1/10W				
R265	1-216-025-00	METAL GLAZE	100 5% 1/10W				
R266	1-216-033-00	METAL GLAZE	220 5% 1/10W				
R267	1-216-091-00	METAL GLAZE	56K 5% 1/10W				
R268	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				<CAPACITOR>
R271	1-216-075-00	METAL GLAZE	12K 5% 1/10W	C1111	1-126-157-11	ELECT	10MF 20% 16V
R272	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R273	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R274	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W				
R275	1-216-033-00	METAL GLAZE	220 5% 1/10W				<DIODE>
R276	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	D1111	9-908-868-01	DIODE TLS263P	
R277	1-216-117-00	METAL GLAZE	680K 5% 1/10W	D1112	8-719-802-17	DIODE TLY263P	
R278	1-216-089-91	METAL GLAZE	47K 5% 1/10W	D1113	8-719-802-17	DIODE TLY263P	
R279	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	D1114	8-719-802-17	DIODE TLY263P	
R280	1-216-039-00	METAL GLAZE	390 5% 1/10W	D1115	8-719-802-17	DIODE TLY263P	
R282	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1116	8-719-802-17	DIODE TLY263P	
R283	1-216-045-00	METAL GLAZE	680 5% 1/10W	D1117	8-719-802-17	DIODE TLY263P	
R284	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	D1118	8-719-802-17	DIODE TLY263P	
R285	1-216-089-91	METAL GLAZE	47K 5% 1/10W	D1119	8-719-802-17	DIODE TLY263P	
R286	1-216-097-00	METAL GLAZE	100K 5% 1/10W	D1120	8-719-802-17	DIODE TLY263P	
R288	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	D1121	8-719-802-17	DIODE TLY263P	
R289	1-216-073-00	METAL GLAZE	10K 5% 1/10W	D1122	8-719-802-17	DIODE TLY263P	
R290	1-216-073-00	METAL GLAZE	10K 5% 1/10W	D1123	8-719-802-17	DIODE TLY263P	
R291	1-216-077-00	METAL GLAZE	15K 5% 1/10W	D1124	8-719-802-17	DIODE TLY263P	
R292	1-216-073-00	METAL GLAZE	10K 5% 1/10W	D1125	8-719-802-17	DIODE TLY263P	
R294	1-216-089-91	METAL GLAZE	47K 5% 1/10W	D1126	8-719-802-17	DIODE TLY263P	
R295	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	D1127	8-719-802-17	DIODE TLY263P	
R296	1-216-085-00	METAL GLAZE	33K 5% 1/10W	D1130	8-719-802-17	DIODE TLY263P	
R298	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	D1131	8-719-802-17	DIODE TLY263P	
R299	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	D1132	8-719-802-17	DIODE TLY263P	
R1201	1-216-079-00	METAL GLAZE	18K 5% 1/10W	D1133	8-719-802-17	DIODE TLY263P	
R1202	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	D1134	8-719-911-19	DIODE ISS119	
R1203	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	D1135	8-719-911-19	DIODE ISS119	
R1204	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	D1136	8-719-911-19	DIODE ISS119	
R1205	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	D1137	8-719-911-19	DIODE ISS119	
R1206	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W				<IC>
R1207	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W				
R1208	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC1111	9-902-229-01	IC GP1U52R		*4-044-689-01	INDIVIDUAL CARTON (PVM-2950Q)		
<RESISTOR>							
R1111	1-247-807-11	CARBON	100 5% 1/4W				
R1112	1-247-807-11	CARBON	100 5% 1/4W				
R1113	1-247-879-11	CARBON	100K 5% 1/4W				
R1114	1-247-879-11	CARBON	100K 5% 1/4W				
R1115	1-247-879-11	CARBON	100K 5% 1/4W				
R1116	1-247-879-11	CARBON	100K 5% 1/4W				
R1117	1-249-408-11	CARBON	180 5% 1/4W				
R1118	1-249-403-11	CARBON	68 5% 1/4W				
R1119	1-249-408-11	CARBON	180 5% 1/4W				
R1120	1-249-408-11	CARBON	180 5% 1/4W				
R1121	1-249-408-11	CARBON	180 5% 1/4W				
R1122	1-249-408-11	CARBON	180 5% 1/4W				
<SWITCH>							
S1111	1-554-303-21	SWITCH, KEY BOARD					
S1112	1-554-303-21	SWITCH, KEY BOARD					
S1113	1-554-303-21	SWITCH, KEY BOARD					
S1114	1-554-303-21	SWITCH, KEY BOARD					
S1115	1-554-303-21	SWITCH, KEY BOARD					
S1116	1-554-303-21	SWITCH, KEY BOARD					
S1117	1-554-303-21	SWITCH, KEY BOARD					
S1119	1-554-303-21	SWITCH, KEY BOARD					
S1120	1-554-303-21	SWITCH, KEY BOARD					
S1121	1-554-303-21	SWITCH, KEY BOARD					
S1122	1-554-303-21	SWITCH, KEY BOARD					
S1123	1-554-303-21	SWITCH, KEY BOARD					
S1124	1-554-118-00	SWITCH, PUSH (1 KEY)					

MISCELLANEOUS							

Δ 1-402-715-21	COIL, DEMAGNETIZATION (PVM-2950Q)						
Δ 1-402-716-21	COIL, DEMAGNETIZATION (PVM-2950Q)						
Δ 1-426-573-22	COIL, DEGAUSSING (PVM-2950Q)						
Δ 1-426-574-22	COIL, DEGAUSSING (PVM-2950Q)						
Δ 1-452-616-13	NECK ASSY, PICTURE TUBE (NA323)						
1-467-794-11	KEY BOARD UNIT						
Δ 1-580-375-11	INLET 3P						
1-900-140-13	LEAD ASSY, FOCUS						
Δ 8-451-394-31	DEFLECTION YOKE (Y29EXA)						
V901	Δ 8-733-845-05	PICTURB TUBE (M68KUZ10X)					

ACCESSORIES AND PACKING MATERIALS							

Δ 1-557-377-11	CORD, POWER (3 CORE) (10.0A/125V) (PVM-2950Q)						
Δ 1-590-151-11	CORD SET, POWER (10.0A/250V) (PVM-2950Q)						
2-990-242-01	HOLDER (B), PLUG(PVM-2950Q/2950QM(AEP))						
3-170-078-01	HOLDER (B), PLUG (PVM-2950QM(AUS))						
3-759-190-21	MANUAL, INSTRUCTION						
*4-039-562-02	CUSHION (RIGHT UPPER FRONT)						
*4-039-566-02	CUSHION (LEFT UPPER LOWER)						
*4-039-570-01	CUSHION (UPPER) (ASSY)						
*4-039-571-01	CUSHION (LOWER) (ASSY)						
*4-044-688-01	INDIVIDUAL CARTON (PVM-2950QM)						